

WO 00/78953

PCT/US00/16668

## SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.  
 LAL, Preeti  
 YANG, Junming  
 YUE, Henry  
 HILLMAN, Jennifer L.  
 TANG, Y. Tom  
 BANDMAN, Olga  
 BURFORD, Neil  
 BAUGHN, Mariah R.  
 AZIMZAI, Yalda  
 LU, Dyung Aina M.  
 AU-YOUNG, Janice  
 PATTERSON, Chandra

<120> HUMAN TRANSPORT PROTEINS

<130> PF-0709 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/139,923; 60/148,177; 60/149,357; 60/162,287

<151> 1999-06-17; 1999-08-10; 1999-08-18; 1999-10-28

<160> 86

<170> PERL Program

<210> 1

<211> 623

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 264114CD1

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				20					25					30
Thr	Asp	Ile	Val	Leu	Ile	Val	Glu	Gly	Thr	Glu	Phe	Pro	Cys	His
				35					40					45
Lys	Met	Val	Leu	Ala	Thr	Cys	Ser	Ser	Tyr	Phe	Arg	Ala	Met	Phe
				50					55					60
Met	Ser	Gly	Leu	Ser	Glu	Ser	Lys	Gln	Thr	His	Val	His	Leu	Arg
				65					70					75
Asn	Val	Asp	Ala	Ala	Thr	Leu	Gln	Ile	Ile	Ile	Thr	Tyr	Ala	Tyr
				80					85					90
Thr	Gly	Asn	Leu	Ala	Met	Asn	Asp	Ser	Thr	Val	Glu	Gln	Leu	Tyr
				95					100					105
Glu	Thr	Ala	Cys	Phe	Leu	Gln	Val	Glu	Asp	Val	Leu	Gln	Arg	Cys
				110					115					120
Arg	Glu	Tyr	Leu	Ile	Lys	Lys	Ile	Asn	Ala	Glu	Asn	Cys	Val	Arg
				125					130					135
Leu	Leu	Ser	Phe	Ala	Asp	Leu	Phe	Ser	Cys	Glu	Glu	Leu	Lys	Gln
				140					145					150
Ser	Ala	Lys	Arg	Met	Val	Glu	His	Lys	Phe	Thr	Ala	Val	Tyr	His
				155					160					165
Gln	Asp	Ala	Phe	Met	Gln	Leu	Ser	His	Asp	Leu	Leu	Ile	Asp	Ile
				170					175					180
Leu	Ser	Ser	Asp	Asn	Leu	Asn	Val	Glu	Lys	Glu	Glu	Thr	Val	Arg
				185					190					195
Glu	Ala	Ala	Met	Leu	Trp	Leu	Glu	Tyr	Asn	Thr	Glu	Ser	Arg	Ser

WO 00/78953

PCT/US00/16668

Gln Tyr Leu Ser	200	Ser Val Leu Ser	Gln Ile Arg Ile Asp Ala Leu	205	210
Ser Glu Val Thr	215	Gln Arg Ala Trp Phe	Gln Gly Leu Pro Pro Asn	220	225
Asp Lys Ser Val	230	Val Val Gln Gly Leu Tyr	Lys Ser Met Pro Lys	235	240
Phe Phe Lys Pro	245	Arg Leu Gly Met Thr	Lys Glu Glu Met Met Ile	250	255
Phe Ile Glu Ala	260	Ser Ser Glu Asn Pro	Cys Ser Leu Tyr Ser Ser	265	270
Val Cys Tyr Ser	275	Pro Gln Ala Glu Lys	Val Tyr Lys Leu Cys Ser	280	285
Pro Pro Ala Asp	290	Leu His Lys Val Gly	Thr Val Val Thr Pro Asp	295	300
Asn Asp Ile Tyr	305	Ile Ala Gly Gly Gln	Val Pro Leu Lys Asn Thr	310	315
Lys Thr Asn His	320	Ser Lys Thr Ser Lys	Leu Gln Thr Ala Phe Arg	325	330
Thr Val Asn Cys	335	Phe Tyr Trp Phe Asp	Ala Gln Gln Asn Thr Trp	340	345
Phe Pro Lys Thr	350	Pro Met Leu Phe Val	Arg Ile Lys Pro Ser Leu	355	360
Val Cys Cys Glu	365	Gly Tyr Ile Tyr Ala	Ile Gly Gly Asp Ser Val	370	375
Gly Gly Glu Leu	380	Asn Arg Arg Thr Val	Glu Arg Tyr Asp Thr Glu	385	390
Lys Asp Glu Trp	395	Thr Met Val Ser Pro	Leu Pro Cys Ala Trp Gln	400	405
Trp Ser Ala Ala	410	Val Val Val His Asp	Cys Ile Tyr Val Met Thr	415	420
Leu Asn Leu Met	425	Tyr Cys Tyr Phe Pro	Arg Ser Asp Ser Trp Val	430	435
Glu Met Ala Met	440	Arg Gln Thr Ser Arg	Ser Phe Ala Ser Ala Ala	445	450
Ala Phe Gly Asp	455	Lys Ile Phe Tyr Ile	Gly Gly Leu His Ile Ala	460	465
Thr Asn Ser Gly	470	Ile Arg Leu Pro Ser	Gly Thr Val Asp Gly Ser	475	480
Ser Val Thr Val	485	Glu Ile Tyr Asp Val	Asn Lys Asn Glu Trp Lys	490	495
Met Ala Ala Asn	500	Ile Pro Ala Lys Arg	Tyr Ser Asp Pro Cys Val	505	510
Arg Ala Val Val	515	Ile Ser Asn Ser Leu	Cys Val Phe Met Arg Glu	520	525
Thr His Leu Asn	530	Glu Arg Ala Lys Tyr	Val Thr Tyr Gln Tyr Asp	535	540
Leu Glu Leu Asp	545	Arg Trp Ser Leu Arg	Gln His Ile Ser Glu Arg	550	555
Val Leu Trp Asp	560	Leu Gly Arg Asp Phe	Arg Cys Thr Val Gly Lys	565	570
Leu Tyr Pro Ser	575	Cys Leu Glu Glu Ser	Pro Trp Lys Pro Pro Thr	580	585
Tyr Leu Phe Ser	590	Thr Asp Gly Thr Glu	Glu Phe Glu Leu Asp Gly	595	600
Glu Met Val Ala	605	Leu Pro Pro Val		610	615
	620				

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&lt;211&gt; 99

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1455669CD1

&lt;400&gt; 2

Met Ala Ala Pro Ala Glu Pro Cys Ala Gly Gln Gly Val Trp Asn

WO 00/78953

PCT/US00/16668

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1           5           10           15
Gln Thr Glu Pro Glu Pro Ala Ala Thr Ser Leu Leu Ser Leu Cys
                20           25           30
Phe Leu Arg Thr Ala Gly Val Trp Val Pro Pro Met Tyr Leu Trp
                35           40           45
Val Leu Gly Pro Ile Tyr Leu Leu Phe Ile His His His Gly Arg
                50           55           60
Gly Tyr Leu Arg Met Ser Pro Leu Phe Lys Ala Lys Met Val Ala
                65           70           75
Ala Ile Pro Gly Ser Leu Glu Pro Gly Asn Val Arg Gly Arg Gln
                80           85           90
Gly Thr Gly Trp Asn Leu Val Lys Ser
                95

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&lt;210&gt; 3

&lt;211&gt; 374

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2084989CD1

&lt;400&gt; 3

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Glu Pro Arg Trp Asp Gln Ser Thr Phe Leu Gly Arg Ala Arg His
                20           25           30
Phe Phe Thr Val Thr Asp Pro Arg Asn Leu Leu Leu Ser Gly Ala
                35           40           45
Gln Leu Glu Ala Ser Arg Asn Ile Val Gln Asn Tyr Arg Ala Gly
                50           55           60
Val Val Thr Pro Gly Ile Thr Glu Asp Gln Leu Trp Arg Ala Lys
                65           70           75
Tyr Val Tyr Asp Ser Ala Phe His Pro Asp Thr Gly Glu Lys Val
                80           85           90
Val Leu Ile Gly Arg Met Ser Ala Gln Val Pro Met Asn Met Thr
                95          100          105
Ile Thr Gly Cys Met Leu Thr Phe Tyr Arg Lys Thr Pro Thr Val
          110          115          120
Val Phe Trp Gln Trp Val Asn Gln Ser Phe Asn Ala Ile Val Asn
          125          130          135
Tyr Ser Asn Arg Ser Gly Asp Thr Pro Ile Thr Val Arg Gln Leu
          140          145          150
Gly Thr Ala Tyr Val Ser Ala Thr Thr Gly Ala Val Ala Thr Ala
          155          160          165
Leu Gly Leu Lys Ser Leu Thr Lys His Leu Pro Pro Leu Val Gly
          170          175          180
Arg Phe Val Pro Phe Ala Ala Val Ala Ala Asn Cys Ile Asn
          185          190          195
Ile Pro Leu Met Arg Gln Arg Glu Leu Gln Val Gly Ile Pro Val
          200          205          210
Ala Asp Glu Ala Gly Gln Arg Leu Gly Tyr Ser Val Thr Ala Ala
          215          220          225
Lys Gln Gly Ile Phe Gln Val Val Ile Ser Arg Ile Cys Met Ala
          230          235          240
Ile Pro Ala Met Ala Ile Pro Pro Leu Ile Met Asp Thr Leu Glu
          245          250          255
Lys Lys Asp Phe Leu Lys Val Gly Asp Cys Thr Ser Leu Val Leu
          260          265          270
Glu Trp Ala Met Ala Gly Arg Ser Asp Gln Ala Pro Thr Leu Ser
          275          280          285
Pro Ala Ser Pro Asp Ser Leu Arg Leu Ala Ser Pro Ser Pro Asp
          290          295          300
Pro Cys Thr Ala Ser Ser Thr Phe Val His Ser Ala Arg Met Asn
          305          310          315
Trp Ala Gly Val Lys Glu Leu Cys Arg Gly Arg Arg Arg Gly Gln
          320          325          330
Arg Lys Glu Thr Asn Phe Ile Ser Val Thr Pro Val Ala Ser Asp

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WO 00/78953

PCT/US00/16668

				335					340					345
Thr	Gln	Lys	Gly	Thr	Val	Ile	Val	Met	Leu	Asp	Leu	Met	Leu	Ile
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Leu	Leu	Pro	Pro	Ser	Ala	Ser	Ile	Leu	Arg	Gly	Thr	His	Gly	
				365					370					

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 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 2501034CD1

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 Val Asp Gly Val Ala Ala Thr Pro Thr Ala Ala Ser Ala Ser Cys  
 20 25 30  
 Gln Tyr Arg Cys Ile Glu Cys Asn Gln Glu Ala Lys Glu Leu Tyr  
 35 40 45  
 Arg Asp Tyr Asn His Gly Val Leu Lys Ile Thr Ile Cys Lys Ser  
 50 55 60  
 Cys Gln Lys Pro Val Asp Lys Tyr Ile Glu Tyr Asp Pro Val Ile  
 65 70 75  
 Ile Leu Ile Asn Ala Ile Leu Cys Lys Ala Gln Ala Tyr Arg His  
 80 85 90  
 Ile Leu Phe Asn Thr Gln Ile Asn Ile His Gly Lys Leu Cys Ile  
 95 100 105  
 Phe Cys Leu Leu Cys Glu Ala Tyr Leu Arg Trp Trp Gln Leu Gln  
 110 115 120  
 Asp Ser Asn Gln Asn Thr Ala Pro Asp Asp Leu Ile Arg Tyr Ala  
 125 130 135  
 Lys Glu Trp Asp Phe Tyr Arg Met Phe Ala Ile Ala Ala Leu Glu  
 140 145 150  
 Gln Thr Ala Tyr Phe Ile Gly Ile Phe Thr Phe Leu Trp Val Glu  
 155 160 165  
 Arg Pro Met Thr Ala Lys Lys Lys Pro Asn Phe Ile Leu Leu Leu  
 170 175 180  
 Lys Ala Leu Leu Ser Ser Tyr Gly Lys Leu Leu Leu Ile Pro  
 185 190 195  
 Ala Val Ile Trp Glu His Asp Tyr Thr Ser Val Cys Leu Lys Leu  
 200 205 210  
 Ile Lys Val Phe Val Leu Thr Ser Asn Phe Gln Ala Ile Arg Val  
 215 220 225  
 Thr Leu Asn Ile Asn Arg Lys Leu Ser Phe Leu Ala Val Leu Ser  
 230 235 240  
 Gly Leu Leu Leu Glu Ser Ile Met Val Tyr Phe Phe Gln Ser Met  
 245 250 255  
 Glu Trp Asp Val Gly Ser Asp Tyr Ala Ile Phe Lys Ser Gln Asp  
 260 265 270  
 Phe

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 <213> Homo sapiens

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 Arg Val Leu Cys Phe His Gly Pro Leu Leu Tyr Glu Ala Lys Cys  
 20 25 30  
 Val Lys Val Ala Ile Lys Asp Lys Gln Val Lys Tyr Phe Ile His



WO 00/78953

PCT/US00/16668

	35		40		45
Tyr Ser Gly Trp Asn Lys Asn Trp Asp Glu Trp Val Pro Glu Ser	50		55		60
Arg Val Leu Lys Tyr Val Asp Thr Asn Leu Gln Lys Gln Arg Glu	65		70		75
Leu Gln Lys Ala Asn Gln Glu Gln Tyr Ala Glu Gly Lys Met Arg	80		85		90
Gly Ala Ala Pro Gly Lys Lys Thr Ser Gly Leu Gln Gln Lys Asn	95		100		105
Val Glu Val Lys Thr Lys Lys Asn Lys Gln Lys Thr Pro Gly Asn	110		115		120
Gly Asp Gly Gly Ser Thr Ser Glu Thr Pro Gln Pro Pro Arg Lys	125		130		135
Lys Arg Ala Arg Val Asp Pro Thr Val Glu Asn Glu Glu Thr Phe	140		145		150
Met Asn Arg Val Glu Val Lys Val Lys Ile Pro Glu Glu Leu Lys	155		160		165
Pro Trp Leu Val Asp Asp Trp Asp Leu Ile Thr Arg Gln Lys Gln	170		175		180
Leu Phe Tyr Leu Pro Ala Lys Lys Asn Val Asp Ser Ile Leu Glu	185		190		195
Asp Tyr Ala Asn Tyr Lys Lys Ser Arg Gly Asn Thr Asp Asn Lys	200		205		210
Glu Tyr Ala Val Asn Glu Val Val Ala Gly Ile Lys Glu Tyr Phe	215		220		225
Asn Val Met Leu Gly Thr Gln Leu Leu Tyr Lys Phe Glu Arg Pro	230		235		240
Gln Tyr Ala Glu Ile Leu Ala Asp His Pro Asp Ala Pro Met Ser	245		250		255
Gln Val Tyr Gly Ala Pro His Leu Leu Arg Leu Phe Val Arg Ile	260		265		270
Gly Ala Met Leu Ala Tyr Thr Pro Leu Asp Glu Lys Ser Leu Ala	275		280		285
Leu Leu Leu Asn Tyr Leu His Asp Phe Leu Lys Tyr Leu Ala Lys	290		295		300
Asn Ser Ala Thr Leu Phe Ser Ala Ser Asp Tyr Glu Val Ala Pro	305		310		315
Pro Glu Tyr His Arg Lys Ala Val	320				

&lt;210&gt; 6

&lt;211&gt; 274

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 4833111CD1

&lt;400&gt; 6

Met Asp Arg Pro Gly Phe Val Ala Ala Leu Val Ala Gly Gly Val	1		5		10		15
Ala Gly Val Ser Val Asp Leu Ile Leu Phe Pro Leu Asp Thr Ile	20		25		30		35
Lys Thr Arg Leu Gln Ser Pro Gln Gly Phe Ser Lys Ala Gly Gly	40		45		50		55
Phe His Gly Ile Tyr Ala Gly Val Pro Ser Ala Ala Ile Gly Ser	60		65		70		75
Phe Pro Asn Ala Ala Ala Phe Phe Ile Thr Tyr Glu Tyr Val Lys	80		85		90		95
Trp Phe Leu His Ala Asp Ser Ser Ser Tyr Leu Thr Pro Met Lys	100		105		110		115
His Met Leu Ala Ala Ser Ala Gly Glu Val Val Ala Cys Leu Ile	120		125		130		135
Arg Val Pro Ser Glu Val Val Lys Gln Arg Ala Gln Val Ser Ala	140		145		150		155
Ser Thr Arg Thr Phe Gln Ile Phe Ser Asn Ile Leu Tyr Glu Glu	160		165		170		175
Gly Ile Gln Gly Leu Tyr Arg Gly Tyr Lys Ser Thr Val Leu Arg	180		185		190		195

WO 00/78953

PCT/US00/16668

Glu	Ile	Pro	Phe	140	Leu	Val	Gln	Phe	145	Pro	Leu	Trp	Glu	Ser	Leu	150
Lys	Ala	Leu	Trp	155	Ser	Trp	Arg	Gln	Asp	His	Val	Val	Asp	Ser	Trp	165
Gln	Ser	Ala	Val	170	Cys	Gly	Ala	Phe	Ala	Gly	Gly	Phe	Ala	Ala	Ala	180
Val	Thr	Thr	Pro	185	Leu	Asp	Val	Ala	Lys	Thr	Arg	Ile	Thr	Leu	Ala	195
Lys	Ala	Gly	Ser	200	Ser	Thr	Ala	Asp	Gly	Asn	Val	Leu	Ser	Val	Leu	210
His	Gly	Val	Trp	215	Arg	Ser	Gln	Gly	Leu	Ala	Gly	Leu	Phe	Ala	Gly	225
Val	Phe	Pro	Arg	230	Met	Ala	Ala	Ile	Ser	Leu	Gly	Gly	Phe	Ile	Phe	240
Leu	Gly	Ala	Tyr	245	Asp	Arg	Thr	His	Ser	Leu	Leu	Leu	Glu	Val	Gly	255
Arg	Lys	Ser	Pro	260						265						270

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&lt;211&gt; 291

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 876677CD1

&lt;400&gt; 7

Met	Asp	Ser	Arg	Val	Ser	Ser	Pro	Glu	Lys	Gln	Asp	Lys	Glu	Asn		
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Phe	Val	Gly	Val	Asn	Asn	Lys	Arg	Leu	Gly	Val	Cys	Gly	Trp	Ile		
				20					25					30		
Leu	Phe	Ser	Leu	Ser	Phe	Leu	Leu	Val	Ile	Ile	Thr	Phe	Pro	Ile		
				35					40					45		
Ser	Ile	Trp	Met	Cys	Leu	Lys	Ile	Ile	Lys	Glu	Tyr	Glu	Arg	Ala		
				50					55					60		
Val	Val	Phe	Arg	Leu	Gly	Arg	Ile	Gln	Ala	Asp	Lys	Ala	Lys	Gly		
				65					70					75		
Pro	Gly	Leu	Ile	Leu	Val	Leu	Pro	Cys	Ile	Asp	Val	Phe	Val	Lys		
				80					85					90		
Val	Asp	Leu	Arg	Thr	Val	Thr	Cys	Asn	Ile	Pro	Pro	Gln	Glu	Ile		
				95					100					105		
Leu	Thr	Arg	Asp	Ser	Val	Thr	Thr	Gln	Val	Asp	Gly	Val	Val	Tyr		
				110					115					120		
Tyr	Arg	Ile	Tyr	Ser	Ala	Val	Ser	Ala	Val	Ala	Asn	Val	Asn	Asp		
				125					130					135		
Val	His	Gln	Ala	Thr	Phe	Leu	Leu	Ala	Gln	Thr	Thr	Leu	Arg	Asn		
				140					145					150		
Val	Leu	Gly	Thr	Gln	Thr	Leu	Ser	Gln	Ile	Leu	Ala	Gly	Arg	Glu		
				155					160					165		
Glu	Ile	Ala	His	Ser	Ile	Gln	Thr	Leu	Leu	Asp	Asp	Ala	Thr	Glu		
				170					175					180		
Leu	Trp	Gly	Ile	Arg	Val	Ala	Arg	Val	Glu	Ile	Lys	Asp	Val	Arg		
				185					190					195		
Ile	Pro	Val	Gln	Leu	Gln	Arg	Ser	Met	Ala	Ala	Glu	Ala	Glu	Ala		
				200					205					210		
Thr	Arg	Glu	Ala	Arg	Ala	Lys	Val	Leu	Ala	Ala	Glu	Gly	Glu	Met		
				215					220					225		
Asn	Ala	Ser	Lys	Ser	Leu	Lys	Ser	Ala	Ser	Met	Val	Leu	Ala	Glu		
				230					235					240		
Ser	Pro	Ile	Ala	Leu	Gln	Leu	Arg	Tyr	Leu	Gln	Thr	Leu	Ser	Thr		
				245					250					255		
Val	Ala	Thr	Glu	Lys	Asn	Ser	Thr	Ile	Val	Phe	Pro	Leu	Pro	Met		
				260					265					270		
Asn	Ile	Leu	Glu	Gly	Ile	Gly	Gly	Val	Ser	Tyr	Asp	Asn	His	Lys		
				275					280					285		
Lys	Leu	Pro	Asn	Lys	Ala											

WO 00/78953

PCT/US00/16668

290

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 <212> PRT  
 <213> Homo sapiens  
 <220>  
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 <223> Incyte ID No: 2326143CD1

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 Asn Phe Arg Gly Arg Arg Tyr Lys Cys Leu Ile Cys Tyr Asp Tyr  
 20 25 30  
 Asp Leu Cys Ala Ser Cys Tyr Glu Ser Gly Ala Thr Thr Thr Arg  
 35 40 45  
 His Thr Thr Asp His Pro Met Gln Cys Ile Leu Thr Arg Val Asp  
 50 55 60  
 Phe Asp Leu Tyr Tyr Gly Gly Glu Ala Phe Ser Val Glu Gln Pro  
 65 70 75  
 Gln Ser Phe Thr Cys Pro Tyr Cys Gly Lys Met Gly Tyr Thr Glu  
 80 85 90  
 Thr Ser Leu Gln Glu His Val Thr Ser Glu His Ala Glu Thr Ser  
 95 100 105  
 Thr Glu Val Ile Cys Pro Ile Cys Ala Ala Leu Pro Gly Gly Asp  
 110 115 120  
 Pro Asn His Val Thr Asp Asp Phe Ala Ala His Leu Thr Leu Glu  
 125 130 135  
 His Arg Ala Pro Arg Asp Leu Asp Glu Ser Ser Gly Val Arg His  
 140 145 150  
 Val Arg Arg Met Phe His Pro Gly Arg Gly Leu Gly Gly Pro Arg  
 155 160 165  
 Ala Arg Arg Ser Asn Met His Phe Thr Ser Ser Ser Thr Gly Gly  
 170 175 180  
 Leu Ser Ser Ser Gln Ser Ser Tyr Ser Pro Ser Asn Arg Glu Ala  
 185 190 195  
 Met Asp Pro Ile Ala Glu Leu Leu Ser Gln Leu Ser Gly Val Arg  
 200 205 210  
 Arg Ser Ala Gly Gly Gln Leu Asn Ser Ser Gly Pro Ser Ala Ser  
 215 220 225  
 Gln Leu Gln Gln Leu Gln Met Gln Leu Gln Leu Glu Arg Gln His  
 230 235 240  
 Ala Gln Ala Ala Arg Gln Gln Leu Glu Thr Ala Arg Asn Ala Thr  
 245 250 255  
 Arg Arg Thr Asn Thr Ser Ser Val Thr Thr Thr Ile Thr Gln Ser  
 260 265 270  
 Thr Ala Thr Thr Asn Ile Ala Asn Thr Glu Ser Ser Gln Gln Thr  
 275 280 285  
 Leu Gln Asn Ser Gln Phe Leu Leu Thr Arg Leu Asn Asp Pro Lys  
 290 295 300  
 Met Ser Glu Thr Glu Arg Gln Ser Met Glu Ser Glu Arg Ala Asp  
 305 310 315  
 Arg Ser Leu Phe Val Gln Glu Leu Leu Leu Ser Thr Leu Val Arg  
 320 325 330  
 Glu Glu Ser Ser Ser Ser Asp Glu Asp Asp Arg Gly Glu Met Ala  
 335 340 345  
 Asp Phe Gly Ala Met Gly Cys Val Asp Ile Met Pro Leu Asp Val  
 350 355 360  
 Ala Leu Glu Asn Leu Asn Leu Lys Glu Ser Asn Lys Gly Asn Glu  
 365 370 375  
 Pro Pro Pro Pro Pro Leu  
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<210> 9  
 <211> 190  
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WO 00/78953

PCT/US00/16668

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2786302CD1

&lt;400&gt; 9

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Ile	Ser	Pro	Arg	Ser	Arg	Glu	Thr	His	Pro	Asn	Pro	Glu	Glu	Pro	
				20					25					30	
Glu	Glu	Glu	Asp	Glu	Asp	Val	Gln	Ala	Glu	Arg	Val	Gln	Ala	Ala	
				35					40					45	
Asn	Ala	Leu	Thr	Ala	Pro	Asn	Leu	Glu	Glu	Glu	Pro	Val	Ile	Thr	
				50					55					60	
Ala	Ser	Cys	Leu	His	Lys	Glu	Tyr	Tyr	Glu	Thr	Lys	Lys	Ser	Cys	
				65					70					75	
Phe	Ser	Thr	Arg	Lys	Lys	Lys	Ile	Ala	Ile	Arg	Asn	Val	Ser	Phe	
				80					85					90	
Cys	Val	Lys	Lys	Gly	Glu	Val	Leu	Gly	Leu	Leu	Gly	His	Asn	Gly	
				95					100					105	
Ala	Gly	Lys	Ser	Thr	Ser	Ile	Lys	Met	Ile	Thr	Gly	Cys	Thr	Lys	
				110					115					120	
Pro	Thr	Ala	Gly	Val	Val	Val	Leu	Gln	Gly	Ser	Arg	Ala	Ser	Val	
				125					130					135	
Arg	Gln	Gln	His	Asp	Asn	Ser	Leu	Lys	Phe	Leu	Gly	Tyr	Cys	Pro	
				140					145					150	
Gln	Glu	Asn	Ser	Leu	Trp	Pro	Lys	Leu	Thr	Met	Lys	Glu	His	Leu	
				155					160					165	
Glu	Leu	Tyr	Ala	Ala	Val	Glu	Arg	Leu	Gly	Gln	Lys	Arg	Cys	Cys	
				170					175					180	
Ser	Gln	Tyr	Phe	Thr	Ile	Gly	Gly	Arg	Ser						
				185					190						

&lt;210&gt; 10

&lt;211&gt; 297

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3735780CD1

&lt;400&gt; 10

Met	Met	Asp	Ser	Glu	Ala	His	Glu	Lys	Arg	Pro	Pro	Ile	Leu	Thr	
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Ser	Ser	Lys	Gln	Asp	Ile	Ser	Pro	His	Ile	Thr	Asn	Val	Gly	Glu	
				20					25					30	
Met	Lys	His	Tyr	Leu	Cys	Gly	Cys	Cys	Ala	Ala	Phe	Asn	Asn	Val	
				35					40					45	
Ala	Ile	Thr	Phe	Pro	Ile	Gln	Lys	Val	Leu	Phe	Arg	Gln	Gln	Leu	
				50					55					60	
Tyr	Gly	Ile	Lys	Thr	Arg	Asp	Ala	Ile	Leu	Gln	Leu	Arg	Arg	Asp	
				65					70					75	
Gly	Phe	Arg	Asn	Leu	Tyr	Arg	Gly	Ile	Leu	Pro	Pro	Leu	Met	Gln	
				80					85					90	
Lys	Thr	Thr	Thr	Leu	Ala	Leu	Met	Phe	Gly	Leu	Tyr	Glu	Asp	Leu	
				95					100					105	
Ser	Cys	Leu	Leu	His	Lys	His	Val	Ser	Ala	Pro	Glu	Phe	Ala	Thr	
				110					115					120	
Ser	Gly	Val	Ala	Ala	Val	Leu	Ala	Gly	Thr	Thr	Glu	Ala	Ile	Phe	
				125					130					135	
Thr	Pro	Leu	Glu	Arg	Val	Gln	Thr	Leu	Leu	Gln	Asp	His	Lys	His	
				140					145					150	
His	Asp	Lys	Phe	Thr	Asn	Thr	Tyr	Gln	Ala	Phe	Lys	Ala	Leu	Lys	
				155					160					165	
Cys	His	Gly	Ile	Gly	Glu	Tyr	Tyr	Arg	Gly	Leu	Val	Pro	Ile	Leu	
				170					175					180	
Phe	Arg	Asn	Gly	Leu	Ser	Asn	Val	Leu	Phe	Phe	Gly	Leu	Arg	Gly	
				185					190					195	
Pro	Ile	Lys	Glu	His	Leu	Pro	Thr	Ala	Thr	Thr	His	Ser	Ala	His	

WO 00/78953

PCT/US00/16668

Leu Val Asn Asp	200	Phe Ile Cys Gly Gly	205	Leu Leu Gly Ala Met	210
	215		220		225
Gly Phe Leu Phe	230	Phe Pro Ile Asn Val	235	Val Lys Thr Arg Ile	240
	245		250		255
Ser Gln Ile Gly	260	Gly Glu Phe Gln Ser	265	Phe Pro Lys Val Phe	270
	275		280		285
Lys Ile Trp Leu	290	Glu Arg Asp Arg Lys	295	Leu Ile Asn Leu Phe	
Gly Ala His Leu		Asn Tyr His Arg Ser		Leu Ile Ser Trp Gly	
Ile Asn Ala Thr		Tyr Glu Phe Leu Leu		Lys Val Ile	

<210> 11  
 <211> 89  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 039026CD1

Met Ala Ala Gln Ile	5	Pro Glu Ser Asp Gln	10	Ile Lys Gln Phe Lys	15
	10		15		20
Glu Phe Leu Gly Thr	20	Tyr Asn Lys Leu Thr	25	Glu Thr Cys Phe Leu	30
	35		40		45
Asp Cys Val Lys Asp	50	Phe Thr Thr Arg Glu	55	Val Lys Pro Glu Glu	60
	65		70		75
Thr Thr Cys Ser Glu	80	His Cys Leu Gln Lys	85	Tyr Leu Lys Met Thr	
Gln Arg Ile Ser Met		Arg Phe Gln Glu Tyr		His Ile Gln Gln Asn	
Glu Ala Leu Ala Ala		Lys Ala Gly Leu Leu		Gly Gln Pro Arg	

<210> 12  
 <211> 115  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 260607CD1

Met Ala Leu Ile Pro	5	Ser Arg Val Trp Leu	10	Pro Phe Ala Val Trp	15
	10		15		20
Val Val Asp Ser Ala	20	Pro Val Arg Gly Leu	25	Val Arg Arg Glu Pro	30
	35		40		45
Phe Leu Arg Thr Gly	50	Ser Phe Ile Ala Leu	55	Phe Tyr Phe Pro Pro	60
	65		70		75
Leu Leu Pro Val Leu	80	Ile Asn Leu Phe Ser	85	Phe Phe Leu Thr Pro	90
	95		100		105
Ser Phe Trp Arg Gln	110	Leu Gly Ala Ile Leu	115	Val Tyr Ala Ser Leu	
Leu Ala Glu Lys Thr		Pro Phe Lys Thr Gln		Arg Thr Leu Glu Gly	
Asp Ala Leu Val Gly		Ser Val Ser Ile Phe		Leu Cys Ala Lys Asp	
Arg Gln Thr Glu Ala		Glu Arg Gly Cys Ser			

<210> 13  
 <211> 675  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

WO 00/78953

PCT/US00/16668

&lt;223&gt; Incyte ID No: 1429651CD1

&lt;400&gt; 13

Met	Glu	Ser	Gly	Thr	Ser	Ser	Pro	Gln	Pro	Pro	Gln	Leu	Asp	Pro
1				5					10					15
Leu	Asp	Ala	Phe	Pro	Gln	Lys	Gly	Leu	Glu	Pro	Gly	Asp	Ile	Ala
				20					25					30
Val	Leu	Val	Leu	Tyr	Phe	Leu	Phe	Val	Leu	Ala	Val	Gly	Leu	Trp
				35					40					45
Ser	Thr	Val	Lys	Thr	Lys	Arg	Asp	Thr	Val	Lys	Gly	Tyr	Phe	Leu
				50					55					60
Ala	Gly	Gly	Asp	Met	Val	Trp	Trp	Pro	Val	Gly	Ala	Ser	Leu	Phe
				65					70					75
Ala	Ser	Asn	Val	Gly	Ser	Gly	His	Phe	Ile	Gly	Leu	Ala	Gly	Ser
				80					85					90
Gly	Ala	Ala	Thr	Gly	Ile	Ser	Val	Ser	Ala	Tyr	Glu	Leu	Asn	Gly
				95					100					105
Leu	Phe	Ser	Val	Leu	Met	Leu	Ala	Trp	Ile	Phe	Leu	Pro	Ile	Tyr
				110					115					120
Ile	Ala	Gly	Gln	Val	Thr	Thr	Met	Pro	Glu	Tyr	Leu	Arg	Lys	Arg
				125					130					135
Phe	Gly	Gly	Ile	Arg	Ile	Pro	Ile	Ile	Leu	Ala	Val	Leu	Tyr	Leu
				140					145					150
Phe	Ile	Tyr	Ile	Phe	Thr	Lys	Ile	Ser	Val	Asp	Met	Tyr	Ala	Gly
				155					160					165
Ala	Ile	Phe	Ile	Gln	Gln	Ser	Leu	His	Leu	Asp	Leu	Tyr	Leu	Ala
				170					175					180
Ile	Val	Gly	Leu	Leu	Ala	Ile	Thr	Ala	Val	Tyr	Thr	Val	Ala	Gly
				185					190					195
Gly	Leu	Ala	Ala	Val	Ile	Tyr	Thr	Asp	Ala	Leu	Gln	Thr	Leu	Ile
				200					205					210
Met	Leu	Ile	Gly	Ala	Leu	Thr	Leu	Met	Gly	Tyr	Ser	Phe	Ala	Ala
				215					220					225
Val	Gly	Gly	Met	Glu	Gly	Leu	Lys	Glu	Lys	Tyr	Phe	Leu	Ala	Leu
				230					235					240
Ala	Ser	Asn	Arg	Ser	Glu	Asn	Ser	Ser	Cys	Gly	Leu	Pro	Arg	Glu
				245					250					255
Asp	Ala	Phe	His	Ile	Phe	Arg	Asp	Pro	Leu	Thr	Ser	Asp	Leu	Pro
				260					265					270
Trp	Pro	Gly	Val	Leu	Phe	Gly	Met	Ser	Ile	Pro	Ser	Leu	Trp	Tyr
				275					280					285
Trp	Cys	Thr	Asp	Gln	Val	Ile	Val	Gln	Arg	Thr	Leu	Ala	Ala	Lys
				290					295					300
Asn	Leu	Ser	His	Ala	Lys	Gly	Gly	Ala	Leu	Met	Ala	Ala	Tyr	Leu
				305					310					315
Lys	Val	Leu	Pro	Leu	Phe	Ile	Met	Val	Phe	Pro	Gly	Met	Val	Ser
				320					325					330
Arg	Ile	Leu	Phe	Pro	Asp	Gln	Val	Ala	Cys	Ala	Asp	Pro	Glu	Ile
				335					340					345
Cys	Gln	Lys	Ile	Cys	Ser	Asn	Pro	Ser	Gly	Cys	Ser	Asp	Ile	Ala
				350					355					360
Tyr	Pro	Lys	Leu	Val	Leu	Glu	Leu	Leu	Pro	Thr	Gly	Leu	Arg	Gly
				365					370					375
Leu	Met	Met	Ala	Val	Met	Val	Ala	Ala	Leu	Met	Ser	Ser	Leu	Thr
				380					385					390
Ser	Ile	Phe	Asn	Ser	Ala	Ser	Thr	Ile	Phe	Thr	Met	Asp	Leu	Trp
				395					400					405
Asn	His	Leu	Arg	Pro	Arg	Ala	Ser	Glu	Lys	Glu	Leu	Met	Ile	Val
				410					415					420
Gly	Arg	Val	Phe	Val	Leu	Leu	Leu	Val	Leu	Val	Ser	Ile	Leu	Trp
				425					430					435
Ile	Pro	Val	Val	Gln	Ala	Ser	Gln	Gly	Gly	Gln	Leu	Phe	Ile	Tyr
				440					445					450
Ile	Gln	Ser	Ile	Ser	Ser	Tyr	Leu	Gln	Pro	Pro	Val	Ala	Val	Val
				455					460					465
Phe	Ile	Met	Gly	Cys	Phe	Trp	Lys	Arg	Thr	Asn	Glu	Lys	Gly	Ala
				470					475					480
Phe	Trp	Gly	Leu	Ile	Ser	Gly	Leu	Leu	Leu	Gly	Leu	Val	Arg	Leu

WO 00/78953

PCT/US00/16668

Val	Leu	Asp	Phe	485	Ile	Tyr	Val	Gln	Pro	490	Arg	Cys	Asp	Gln	Pro	495	Asp
Glu	Arg	Pro	Val	500	Leu	Val	Lys	Ser	Ile	505	His	Tyr	Leu	Tyr	Phe	510	Ser
Met	Ile	Leu	Ser	515	Thr	Val	Thr	Leu	Ile	520	Thr	Val	Ser	Thr	Val	525	Ser
Trp	Phe	Thr	Glu	530	Pro	Pro	Ser	Lys	Glu	535	Met	Val	Ser	His	Leu	540	Thr
Trp	Phe	Thr	Arg	545	His	Asp	Pro	Val	Val	550	Gln	Lys	Glu	Gln	Ala	555	Pro
Pro	Ala	Ala	Pro	560	Leu	Ser	Leu	Thr	Leu	565	Ser	Gln	Asn	Gly	Met	570	Pro
Glu	Ala	Ser	Ser	575	Ser	Ser	Ser	Val	Gln	580	Phe	Glu	Met	Val	Gln	585	Glu
Asn	Thr	Ser	Lys	590	Thr	His	Ser	Cys	Asp	595	Met	Thr	Pro	Lys	Gln	600	Ser
Lys	Val	Val	Lys	605	Ala	Ile	Leu	Trp	Leu	610	Cys	Gly	Ile	Gln	Glu	615	Lys
Gly	Lys	Glu	Glu	620	Leu	Pro	Ala	Arg	Ala	625	Glu	Ala	Ile	Ile	Val	630	Ser
Leu	Glu	Glu	Asn	635	Pro	Leu	Val	Lys	Thr	640	Leu	Leu	Asp	Val	Asn	645	Leu
Ile	Phe	Cys	Val	650	Ser	Cys	Ala	Ile	Phe	655	Ile	Trp	Gly	Tyr	Phe	660	Ala
				665						670						675	

&lt;210&gt; 14

&lt;211&gt; 320

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2069971CD1

&lt;400&gt; 14

Met	Tyr	His	Cys	His	Ser	Gly	Ser	Lys	Pro	Thr	Glu	Lys	Gly	Ala
1				5					10					15
Asn	Glu	Tyr	Ala	Tyr	Ala	Lys	Trp	Lys	Leu	Cys	Ser	Ala	Ser	Ala
				20					25					30
Ile	Cys	Phe	Ile	Phe	Met	Ile	Ala	Glu	Val	Val	Gly	Gly	His	Ile
				35					40					45
Ala	Gly	Ser	Leu	Ala	Val	Val	Thr	Asp	Ala	Ala	His	Leu	Leu	Ile
				50					55					60
Asp	Leu	Thr	Ser	Phe	Leu	Leu	Ser	Leu	Phe	Ser	Leu	Trp	Leu	Ser
				65					70					75
Ser	Lys	Pro	Pro	Ser	Lys	Arg	Leu	Thr	Phe	Gly	Trp	His	Arg	Ala
				80					85					90
Glu	Ile	Leu	Gly	Ala	Leu	Leu	Ser	Ile	Leu	Cys	Ile	Trp	Val	Val
				95					100					105
Thr	Gly	Val	Leu	Val	Tyr	Leu	Ala	Cys	Glu	Arg	Leu	Leu	Tyr	Pro
				110					115					120
Asp	Tyr	Gln	Ile	Gln	Ala	Thr	Val	Met	Ile	Ile	Val	Ser	Ser	Cys
				125					130					135
Ala	Val	Ala	Ala	Asn	Ile	Val	Leu	Thr	Val	Val	Leu	His	Gln	Arg
				140					145					150
Cys	Leu	Gly	His	Asn	His	Lys	Glu	Val	Gln	Ala	Asn	Ala	Ser	Val
				155					160					165
Arg	Ala	Ala	Phe	Val	His	Ala	Leu	Gly	Asp	Leu	Phe	Gln	Ser	Ile
				170					175					180
Ser	Val	Leu	Ile	Ser	Ala	Leu	Ile	Ile	Tyr	Phe	Lys	Pro	Glu	Tyr
				185					190					195
Lys	Ile	Ala	Asp	Pro	Ile	Cys	Thr	Phe	Ile	Phe	Ser	Ile	Leu	Val
				200					205					210
Leu	Ala	Ser	Thr	Ile	Thr	Ile	Leu	Lys	Asp	Phe	Ser	Ile	Leu	Leu
				215					220					225
Met	Glu	Gly	Val	Pro	Lys	Ser	Leu	Asn	Tyr	Ser	Gly	Val	Lys	Glu
				230					235					240

WO 00/78953

PCT/US00/16668

Leu	Ile	Leu	Ala	Val	Asp	Gly	Val	Leu	Ser	Val	His	Ser	Leu	His
				245					250					255
Ile	Trp	Ser	Leu	Thr	Met	Asn	Gln	Val	Ile	Leu	Ser	Ala	His	Val
				260					265					270
Ala	Thr	Ala	Ala	Ser	Arg	Asp	Ser	Gln	Val	Val	Arg	Arg	Glu	Ile
				275					280					285
Ala	Lys	Ala	Leu	Ser	Lys	Ser	Phe	Thr	Met	His	Ser	Leu	Thr	Ile
				290					295					300
Gln	Met	Glu	Ser	Pro	Val	Asp	Gln	Asp	Pro	Asp	Cys	Leu	Phe	Cys
				305					310					315
Glu	Asp	Pro	Cys	Asp										
				320										

&lt;210&gt; 15

&lt;211&gt; 462

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2329339CD1

&lt;400&gt; 15

Met	Ala	Glu	Glu	Gln	Glu	Phe	Thr	Gln	Leu	Cys	Lys	Leu	Pro	Ala
1				5					10					15
Gln	Pro	Ser	His	Pro	His	Cys	Val	Asn	Asn	Thr	Tyr	Arg	Ser	Ala
				20					25					30
Gln	His	Ser	Gln	Ala	Leu	Leu	Arg	Gly	Leu	Leu	Ala	Leu	Arg	Asp
				35					40					45
Ser	Gly	Ile	Leu	Phe	Asp	Val	Val	Leu	Val	Val	Glu	Gly	Arg	His
				50					55					60
Ile	Glu	Ala	His	Arg	Ile	Leu	Leu	Ala	Ala	Ser	Cys	Asp	Tyr	Phe
				65					70					75
Arg	Gly	Met	Phe	Ala	Gly	Gly	Leu	Lys	Glu	Met	Glu	Gln	Glu	Glu
				80					85					90
Val	Leu	Ile	His	Gly	Val	Ser	Tyr	Asn	Ala	Met	Cys	Gln	Ile	Leu
				95					100					105
His	Phe	Ile	Tyr	Thr	Ser	Glu	Leu	Glu	Leu	Ser	Leu	Ser	Asn	Val
				110					115					120
Gln	Glu	Thr	Leu	Val	Ala	Ala	Cys	Gln	Leu	Gln	Ile	Pro	Glu	Ile
				125					130					135
Ile	His	Phe	Cys	Cys	Asp	Phe	Leu	Met	Ser	Trp	Val	Asp	Glu	Glu
				140					145					150
Asn	Ile	Leu	Asp	Val	Tyr	Arg	Leu	Ala	Glu	Leu	Phe	Asp	Leu	Ser
				155					160					165
Arg	Leu	Thr	Glu	Gln	Leu	Asp	Thr	Tyr	Ile	Leu	Lys	Asn	Phe	Val
				170					175					180
Ala	Phe	Ser	Arg	Thr	Asp	Lys	Tyr	Arg	Gln	Leu	Pro	Leu	Glu	Lys
				185					190					195
Val	Tyr	Ser	Leu	Leu	Ser	Ser	Asn	Arg	Leu	Glu	Val	Ser	Cys	Glu
				200					205					210
Thr	Glu	Val	Tyr	Glu	Gly	Ala	Leu	Leu	Tyr	His	Tyr	Ser	Leu	Glu
				215					220					225
Gln	Val	Gln	Ala	Asp	Gln	Ile	Ser	Leu	His	Glu	Pro	Pro	Lys	Leu
				230					235					240
Leu	Glu	Thr	Val	Arg	Phe	Pro	Leu	Met	Glu	Ala	Glu	Val	Leu	Gln
				245					250					255
Arg	Leu	His	Asp	Lys	Leu	Asp	Pro	Ser	Pro	Leu	Arg	Asp	Thr	Val
				260					265					270
Ala	Ser	Gly	Leu	Met	Tyr	His	Arg	Asn	Glu	Ser	Leu	Gln	Pro	Ser
				275					280					285
Leu	Gln	Ser	Pro	Gln	Thr	Glu	Leu	Arg	Ser	Asp	Phe	Gln	Cys	Val
				290					295					300
Val	Gly	Phe	Gly	Gly	Ile	His	Ser	Thr	Pro	Ser	Thr	Val	Leu	Ser
				305					310					315
Asp	Gln	Ala	Lys	Tyr	Leu	Asn	Pro	Leu	Leu	Gly	Glu	Trp	Lys	His
				320					325					330
Phe	Thr	Ala	Ser	Leu	Ala	Pro	Arg	Met	Ser	Asn	Gln	Gly	Ile	Ala
				335					340					345



WO 00/78953

PCT/US00/16668

Val	Leu	Asn	Asn	Phe	Val	Tyr	Leu	Ile	Gly	Gly	Asp	Asn	Asn	Val	
				350					355					360	
Gln	Gly	Phe	Arg	Ala	Glu	Ser	Arg	Cys	Trp	Arg	Tyr	Asp	Pro	Arg	
				365					370					375	
His	Asn	Arg	Trp	Phe	Gln	Ile	Gln	Ser	Leu	Gln	Gln	Glu	His	Ala	
				380					385					390	
Asp	Leu	Ser	Val	Cys	Val	Val	Gly	Arg	Tyr	Ile	Tyr	Ala	Val	Ala	
				395					400					405	
Gly	Arg	Asp	Tyr	His	Asn	Asp	Leu	Asn	Ala	Val	Glu	Arg	Tyr	Asp	
				410					415					420	
Pro	Ala	Thr	Asn	Ser	Trp	Ala	Tyr	Val	Ala	Pro	Leu	Lys	Arg	Glu	
				425					430					435	
Val	Tyr	Ala	His	Ala	Gly	Ala	Thr	Leu	Glu	Gly	Lys	Met	Tyr	Ile	
				440					445					450	
Thr	Cys	Gly	Arg	Lys	Leu	Ile	Pro	Phe	Ser	Glu	Gly				
				455					460						

&lt;210&gt; 16

&lt;211&gt; 98

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2540219CD1

&lt;400&gt; 16

Met	Arg	Ala	Cys	Ala	Val	Trp	Leu	Ala	Gly	Gly	Met	Ala	Gly	Ala	
1				5					10					15	
Ile	Ser	Trp	Gly	Thr	Ala	Thr	Pro	Met	Asp	Val	Val	Lys	Ser	Arg	
				20					25					30	
Leu	Gln	Ala	Asp	Gly	Val	Tyr	Leu	Asn	Lys	Tyr	Lys	Gly	Val	Leu	
				35					40					45	
Asp	Cys	Ile	Ser	Gln	Ser	Tyr	Gln	Lys	Glu	Gly	Leu	Lys	Val	Phe	
				50					55					60	
Phe	Arg	Gly	Ile	Thr	Val	Asn	Ala	Val	Arg	Gly	Phe	Pro	Met	Ser	
				65					70					75	
Ala	Ala	Met	Phe	Leu	Gly	Tyr	Glu	Leu	Ser	Leu	Gln	Ala	Ile	Arg	
				80					85					90	
Gly	Asp	His	Ala	Val	Thr	Ser	Pro								
				95											

&lt;210&gt; 17

&lt;211&gt; 748

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2722462CD1

&lt;400&gt; 17

Met	Asn	Tyr	Gln	Glu	Ala	Ala	Ile	Tyr	Leu	Gln	Glu	Gly	Glu	Asn	
1				5					10					15	
Asn	Asp	Lys	Phe	Phe	Thr	His	Pro	Lys	Asp	Ala	Lys	Ala	Leu	Ala	
				20					25					30	
Ala	Tyr	Leu	Phe	Ala	His	Asn	His	Leu	Phe	Tyr	Leu	Met	Glu	Leu	
				35					40					45	
Ala	Thr	Ala	Leu	Leu	Leu	Leu	Leu	Leu	Ser	Leu	Cys	Glu	Ala	Pro	
				50					55					60	
Ala	Val	Pro	Ala	Leu	Arg	Leu	Gly	Ile	Tyr	Val	His	Ala	Thr	Leu	
				65					70					75	
Glu	Leu	Phe	Ala	Leu	Met	Val	Val	Val	Phe	Glu	Leu	Cys	Met	Lys	
				80					85					90	
Leu	Arg	Trp	Leu	Gly	Leu	His	Thr	Phe	Ile	Arg	His	Lys	Arg	Thr	
				95					100					105	
Met	Val	Lys	Thr	Ser	Val	Leu	Val	Val	Gln	Phe	Val	Glu	Ala	Ile	
				110					115					120	
Val	Val	Leu	Val	Arg	Gln	Met	Ser	His	Val	Arg	Val	Thr	Arg	Ala	
				125					130					135	

WO 00/78953

PCT/US00/16668

Leu	Arg	Cys	Ile	Phe	Leu	Val	Asp	Cys	Arg	Tyr	Cys	Gly	Gly	Val
				140					145					150
Arg	Arg	Asn	Leu	Arg	Gln	Ile	Phe	Gln	Ser	Leu	Pro	Pro	Phe	Met
				155					160					165
Asp	Ile	Leu	Leu	Leu	Leu	Phe	Phe	Phe	Met	Ile	Ile	Phe	Ala	Ile
				170					175					180
Leu	Gly	Phe	Tyr	Leu	Phe	Ser	Pro	Asn	Pro	Ser	Asp	Pro	Tyr	Phe
				185					190					195
Ser	Thr	Leu	Glu	Asn	Ser	Ile	Val	Ser	Leu	Phe	Val	Leu	Leu	Thr
				200					205					210
Thr	Ala	Asn	Phe	Pro	Asp	Val	Met	Met	Pro	Ser	Tyr	Ser	Arg	Asn
				215					220					225
Pro	Trp	Ser	Cys	Val	Phe	Phe	Ile	Val	Tyr	Leu	Ser	Ile	Glu	Leu
				230					235					240
Tyr	Phe	Ile	Met	Asn	Leu	Leu	Leu	Ala	Val	Val	Phe	Asp	Thr	Phe
				245					250					255
Asn	Asp	Ile	Glu	Lys	Arg	Lys	Phe	Lys	Ser	Leu	Leu	Leu	His	Lys
				260					265					270
Arg	Thr	Ala	Ile	Gln	His	Ala	Tyr	Arg	Leu	Leu	Ile	Ser	Gln	Arg
				275					280					285
Arg	Pro	Ala	Gly	Ile	Ser	Tyr	Arg	Gln	Phe	Glu	Gly	Leu	Met	Arg
				290					295					300
Phe	Tyr	Lys	Pro	Arg	Met	Ser	Ala	Arg	Glu	Arg	Tyr	Leu	Thr	Phe
				305					310					315
Lys	Ala	Leu	Asn	Gln	Asn	Asn	Thr	Pro	Leu	Leu	Ser	Leu	Lys	Asp
				320					325					330
Phe	Tyr	Asp	Ile	Tyr	Glu	Val	Ala	Ala	Leu	Lys	Trp	Lys	Ala	Lys
				335					340					345
Lys	Asn	Arg	Glu	His	Trp	Phe	Asp	Glu	Leu	Pro	Arg	Thr	Ala	Leu
				350					355					360
Leu	Ile	Phe	Lys	Gly	Ile	Asn	Ile	Leu	Val	Lys	Ser	Lys	Ala	Phe
				365					370					375
Gln	Tyr	Phe	Met	Tyr	Leu	Val	Val	Ala	Val	Asn	Gly	Val	Trp	Ile
				380					385					390
Leu	Val	Glu	Thr	Phe	Met	Leu	Lys	Gly	Gly	Asn	Phe	Phe	Ser	Lys
				395					400					405
His	Val	Pro	Trp	Ser	Tyr	Leu	Val	Phe	Leu	Thr	Ile	Tyr	Gly	Val
				410					415					420
Glu	Leu	Phe	Leu	Lys	Val	Ala	Gly	Leu	Gly	Pro	Val	Glu	Tyr	Leu
				425					430					435
Ser	Ser	Gly	Trp	Asn	Leu	Phe	Asp	Phe	Ser	Val	Thr	Val	Phe	Ala
				440					445					450
Phe	Leu	Gly	Leu	Leu	Ala	Leu	Ala	Leu	Asn	Met	Glu	Pro	Phe	Tyr
				455					460					465
Phe	Ile	Val	Val	Leu	Arg	Pro	Leu	Gln	Leu	Leu	Arg	Leu	Phe	Lys
				470					475					480
Leu	Lys	Glu	Arg	Tyr	Arg	Asn	Val	Leu	Asp	Thr	Met	Phe	Glu	Leu
				485					490					495
Leu	Pro	Arg	Met	Ala	Ser	Leu	Gly	Leu	Thr	Leu	Leu	Ile	Phe	Tyr
				500					505					510
Tyr	Ser	Phe	Ala	Ile	Val	Gly	Met	Glu	Phe	Phe	Cys	Gly	Ile	Val
				515					520					525
Phe	Pro	Asn	Cys	Cys	Asn	Thr	Ser	Thr	Val	Ala	Asp	Ala	Tyr	Arg
				530					535					540
Trp	Arg	Asn	His	Thr	Val	Gly	Asn	Arg	Thr	Val	Val	Glu	Glu	Gly
				545					550					555
Tyr	Tyr	Tyr	Leu	Asn	Asn	Phe	Asp	Asn	Ile	Leu	Asn	Ser	Phe	Val
				560					565					570
Thr	Leu	Phe	Glu	Leu	Thr	Val	Val	Asn	Asn	Trp	Tyr	Ile	Ile	Met
				575					580					585
Glu	Gly	Val	Thr	Ser	Gln	Thr	Ser	His	Trp	Ser	Arg	Leu	Tyr	Phe
				590					595					600
Met	Thr	Phe	Tyr	Ile	Val	Thr	Met	Val	Val	Met	Thr	Ile	Ile	Val
				605					610					615
Ala	Phe	Ile	Leu	Glu	Ala	Phe	Val	Phe	Arg	Met	Asn	Tyr	Ser	Arg
				620					625					630
Lys	Asn	Gln	Asp	Ser	Glu	Val	Asp	Gly	Gly	Ile	Thr	Leu	Glu	Lys
				635					640					645

WO 00/78953

PCT/US00/16668

Glu	Ile	Ser	Lys	Glu	Glu	Leu	Val	Ala	Val	Leu	Glu	Leu	Tyr	Arg
				650					655					660
Glu	Ala	Arg	Gly	Ala	Ser	Ser	Asp	Val	Thr	Arg	Leu	Leu	Glu	Thr
				665					670					675
Leu	Ser	Gln	Met	Glu	Arg	Tyr	Gln	Gln	His	Ser	Met	Val	Phe	Leu
				680					685					690
Gly	Arg	Arg	Ser	Arg	Thr	Lys	Ser	Asp	Leu	Ser	Leu	Lys	Met	Tyr
				695					700					705
Gln	Glu	Glu	Ile	Gln	Glu	Trp	Tyr	Glu	Glu	His	Ala	Arg	Glu	Gln
				710					715					720
Glu	Gln	Gln	Arg	Gln	Leu	Ser	Ser	Ser	Ala	Ala	Pro	Ala	Ala	Gln
				725					730					735
Gln	Pro	Pro	Gly	Ser	Arg	Gln	Arg	Ser	Gln	Thr	Val	Thr		
				740					745					

&lt;210&gt; 18

&lt;211&gt; 507

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2739264CD1

&lt;400&gt; 18

Met	Ala	Phe	Asn	Phe	Gly	Ala	Pro	Ser	Gly	Thr	Ser	Gly	Thr	Ala
1				5					10					15
Ala	Ala	Thr	Ala	Ala	Pro	Ala	Gly	Gly	Phe	Gly	Gly	Phe	Gly	Thr
				20					25					30
Thr	Ser	Thr	Thr	Ala	Gly	Ser	Ala	Phe	Ser	Phe	Ser	Ala	Pro	Thr
				35					40					45
Asn	Thr	Gly	Thr	Thr	Gly	Leu	Phe	Gly	Gly	Thr	Gln	Asn	Lys	Gly
				50					55					60
Phe	Gly	Phe	Gly	Thr	Gly	Phe	Gly	Thr	Thr	Thr	Gly	Thr	Ser	Thr
				65					70					75
Gly	Leu	Gly	Thr	Gly	Leu	Gly	Thr	Gly	Leu	Gly	Phe	Gly	Gly	Phe
				80					85					90
Asn	Thr	Gln	Gln	Gln	Gln	Gln	Thr	Thr	Leu	Gly	Gly	Leu	Phe	Ser
				95					100					105
Gln	Pro	Thr	Gln	Ala	Pro	Thr	Gln	Ser	Asn	Gln	Leu	Ile	Asn	Thr
				110					115					120
Ala	Ser	Ala	Leu	Ser	Ala	Pro	Thr	Leu	Leu	Gly	Asp	Glu	Arg	Asp
				125					130					135
Ala	Ile	Leu	Ala	Lys	Trp	Asn	Gln	Leu	Gln	Ala	Phe	Trp	Gly	Thr
				140					145					150
Gly	Lys	Gly	Tyr	Phe	Asn	Asn	Asn	Ile	Pro	Pro	Val	Glu	Phe	Thr
				155					160					165
Gln	Glu	Asn	Pro	Phe	Cys	Arg	Phe	Lys	Ala	Val	Gly	Tyr	Ser	Cys
				170					175					180
Met	Pro	Ser	Asn	Lys	Asp	Glu	Asp	Gly	Leu	Val	Val	Leu	Val	Phe
				185					190					195
Asn	Lys	Lys	Glu	Thr	Glu	Ile	Arg	Ser	Gln	Gln	Gln	Gln	Leu	Val
				200					205					210
Glu	Ser	Leu	His	Lys	Val	Leu	Gly	Gly	Asn	Gln	Thr	Leu	Thr	Val
				215					220					225
Asn	Val	Glu	Gly	Thr	Lys	Thr	Leu	Pro	Asp	Asp	Gln	Thr	Glu	Val
				230					235					240
Val	Ile	Tyr	Val	Val	Glu	Arg	Ser	Pro	Asn	Gly	Thr	Ser	Arg	Arg
				245					250					255
Val	Pro	Ala	Thr	Thr	Leu	Tyr	Ala	His	Phe	Glu	Gln	Ala	Asn	Ile
				260					265					270
Lys	Thr	Gln	Leu	Gln	Gln	Leu	Gly	Val	Thr	Leu	Ser	Met	Thr	Arg
				275					280					285
Thr	Glu	Leu	Ser	Pro	Ala	Gln	Ile	Lys	Gln	Leu	Leu	Gln	Asn	Pro
				290					295					300
Pro	Ala	Gly	Val	Asp	Pro	Ile	Ile	Trp	Glu	Gln	Ala	Lys	Val	Asp
				305					310					315
Asn	Pro	Asp	Ser	Glu	Lys	Leu	Ile	Pro	Val	Pro	Met	Val	Gly	Phe
				320					325					330

WO 00/78953

PCT/US00/16668

Lys	Glu	Leu	Leu	Arg	Arg	Leu	Lys	Val	Gln	Asp	Gln	Met	Thr	Lys
				335					340					345
Gln	His	Gln	Thr	Arg	Leu	Asp	Ile	Ile	Ser	Glu	Asp	Ile	Ser	Glu
				350					355					360
Leu	Gln	Lys	Asn	Gln	Thr	Thr	Ser	Val	Ala	Lys	Ile	Ala	Gln	Tyr
				365					370					375
Lys	Arg	Lys	Leu	Met	Asp	Leu	Ser	His	Arg	Thr	Leu	Gln	Val	Leu
				380					385					390
Ile	Lys	Gln	Glu	Ile	Gln	Arg	Lys	Ser	Gly	Tyr	Ala	Ile	Gln	Ala
				395					400					405
Asp	Glu	Glu	Gln	Leu	Arg	Val	Gln	Leu	Asp	Thr	Ile	Gln	Gly	Glu
				410					415					420
Leu	Asn	Ala	Pro	Thr	Gln	Phe	Lys	Gly	Arg	Leu	Asn	Glu	Leu	Met
				425					430					435
Ser	Gln	Ile	Arg	Met	Gln	Asn	His	Phe	Gly	Ala	Val	Arg	Ser	Glu
				440					445					450
Glu	Arg	Tyr	Tyr	Ile	Asp	Ala	Asp	Leu	Leu	Arg	Glu	Ile	Lys	Gln
				455					460					465
His	Leu	Lys	Gln	Gln	Gln	Glu	Gly	Leu	Ser	His	Leu	Ile	Ser	Ile
				470					475					480
Ile	Lys	Asp	Asp	Leu	Glu	Asp	Ile	Lys	Leu	Val	Glu	His	Gly	Leu
				485					490					495
Asn	Glu	Thr	Ile	His	Ile	Arg	Gly	Gly	Val	Phe	Ser			
				500					505					

&lt;210&gt; 19

&lt;211&gt; 592

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2758310CD1

&lt;400&gt; 19

Met	Trp	Phe	Cys	Gly	Gln	Ser	Thr	Pro	Phe	Gly	Cys	Glu	Leu	His
1				5					10					15
Asp	Thr	Cys	Val	Gln	Leu	Cys	His	Phe	His	Ser	Ala	Leu	Leu	His
				20					25					30
Arg	Arg	Gln	Lys	Pro	Trp	Pro	Ser	Pro	Ala	Val	Phe	Phe	Arg	Arg
				35					40					45
Asn	Val	Arg	Gly	Leu	Pro	Pro	Arg	Phe	Ser	Ser	Pro	Thr	Pro	Leu
				50					55					60
Trp	Arg	Lys	Val	Leu	Ser	Thr	Ala	Val	Val	Gly	Ala	Pro	Leu	Leu
				65					70					75
Leu	Gly	Ala	Arg	Tyr	Val	Met	Ala	Glu	Ala	Arg	Glu	Lys	Arg	Arg
				80					85					90
Met	Arg	Leu	Val	Val	Asp	Gly	Met	Gly	Arg	Phe	Gly	Arg	Ser	Leu
				95					100					105
Lys	Val	Gly	Leu	Gln	Ile	Ser	Leu	Asp	Tyr	Trp	Trp	Cys	Thr	Asn
				110					115					120
Val	Val	Leu	Arg	Gly	Trp	Lys	Ser	Pro	Gly	Tyr	Leu	Glu	Val	Met
				125					130					135
Ser	Ala	Cys	His	Gln	Arg	Ala	Ala	Asp	Ala	Leu	Val	Ala	Gly	Ala
				140					145					150
Ile	Ser	Asn	Gly	Gly	Leu	Tyr	Val	Lys	Leu	Gly	Gln	Gly	Leu	Cys
				155					160					165
Ser	Phe	Asn	His	Leu	Leu	Pro	Pro	Glu	Tyr	Thr	Arg	Thr	Leu	Arg
				170					175					180
Val	Leu	Glu	Asp	Arg	Ala	Leu	Lys	Arg	Gly	Phe	Gln	Glu	Val	Asp
				185					190					195
Glu	Leu	Phe	Leu	Glu	Asp	Phe	Gln	Ala	Leu	Pro	His	Glu	Leu	Phe
				200					205					210
Gln	Glu	Phe	Asp	Tyr	Gln	Pro	Ile	Ala	Ala	Ala	Ser	Leu	Ala	Gln
				215					220					225
Val	His	Arg	Ala	Lys	Leu	His	Asp	Gly	Thr	Ser	Val	Ala	Val	Lys
				230					235					240
Val	Gln	Tyr	Ile	Asp	Leu	Arg	Asp	Arg	Phe	Asp	Gly	Asp	Ile	His
				245					250					255

WO 00/78953

PCT/US00/16668

Thr	Leu	Glu	Leu	Leu	Leu	Arg	Leu	Val	Glu	Val	Met	His	Pro	Ser	
				260					265						270
Phe	Gly	Phe	Ser	Trp	Val	Leu	Gln	Asp	Leu	Lys	Gly	Thr	Leu	Ala	
				275					280						285
Gln	Glu	Leu	Asp	Phe	Glu	Asn	Glu	Gly	Arg	Asn	Ala	Glu	Arg	Cys	
				290					295						300
Ala	Arg	Glu	Leu	Ala	His	Phe	Pro	Tyr	Val	Val	Val	Pro	Arg	Val	
				305					310						315
His	Trp	Asp	Lys	Ser	Ser	Lys	Arg	Val	Leu	Thr	Ala	Asp	Phe	Cys	
				320					325						330
Ala	Gly	Cys	Lys	Val	Asn	Asp	Val	Glu	Ala	Ile	Arg	Ser	Gln	Gly	
				335					340						345
Leu	Ala	Val	His	Asp	Ile	Ala	Glu	Lys	Leu	Ile	Lys	Ala	Phe	Ala	
				350					355						360
Glu	Gln	Ile	Phe	Tyr	Thr	Gly	Phe	Ile	His	Ser	Asp	Pro	His	Pro	
				365					370						375
Gly	Asn	Val	Leu	Val	Arg	Lys	Gly	Pro	Asp	Gly	Lys	Ala	Glu	Leu	
				380					385						390
Val	Leu	Leu	Asp	His	Gly	Leu	Tyr	Gln	Phe	Leu	Glu	Glu	Lys	Asp	
				395					400						405
Arg	Ala	Ala	Leu	Cys	Gln	Leu	Trp	Arg	Ala	Ile	Ile	Leu	Arg	Asp	
				410					415						420
Asp	Ala	Ala	Met	Arg	Ala	His	Ala	Ala	Ala	Leu	Gly	Val	Gln	Asp	
				425					430						435
Tyr	Leu	Leu	Phe	Ala	Glu	Met	Leu	Met	Gln	Arg	Pro	Val	Arg	Leu	
				440					445						450
Gly	Gln	Leu	Trp	Gly	Ser	His	Leu	Leu	Ser	Arg	Glu	Glu	Ala	Ala	
				455					460						465
Tyr	Met	Val	Asp	Met	Ala	Arg	Glu	Arg	Phe	Glu	Ala	Val	Met	Ala	
				470					475						480
Val	Leu	Arg	Glu	Leu	Pro	Arg	Pro	Met	Leu	Leu	Val	Leu	Arg	Asn	
				485					490						495
Ile	Asn	Thr	Val	Arg	Ala	Ile	Asn	Val	Ala	Leu	Gly	Ala	Pro	Val	
				500					505						510
Asp	Arg	Tyr	Phe	Leu	Met	Ala	Lys	Arg	Ala	Val	Arg	Gly	Trp	Ser	
				515					520						525
Arg	Leu	Ala	Gly	Ala	Thr	Tyr	Arg	Gly	Val	Tyr	Gly	Thr	Ser	Leu	
				530					535						540
Leu	Arg	His	Ala	Lys	Val	Val	Trp	Glu	Met	Leu	Lys	Phe	Glu	Val	
				545					550						555
Ala	Leu	Arg	Leu	Glu	Thr	Leu	Ala	Met	Arg	Leu	Thr	Ala	Leu	Leu	
				560					565						570
Ala	Arg	Ala	Leu	Val	His	Leu	Ser	Leu	Val	Pro	Pro	Ala	Glu	Glu	
				575					580						585
Leu	Tyr	Gln	Tyr	Leu	Glu	Thr									
				590											

&lt;210&gt; 20

&lt;211&gt; 841

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2762348CD1

&lt;400&gt; 20

Met	Ala	Ser	Val	Phe	Arg	Ser	Glu	Glu	Met	Cys	Leu	Ser	Gln	Leu	
1				5					10					15	
Phe	Leu	Gln	Val	Glu	Ala	Ala	Tyr	Cys	Cys	Val	Ala	Glu	Leu	Gly	
				20					25					30	
Glu	Leu	Gly	Leu	Val	Gln	Phe	Lys	Asp	Leu	Asn	Met	Asn	Val	Asn	
				35					40					45	
Ser	Phe	Gln	Arg	Lys	Phe	Val	Asn	Glu	Val	Arg	Arg	Cys	Glu	Ser	
				50					55					60	
Leu	Glu	Arg	Ile	Leu	Arg	Phe	Leu	Glu	Asp	Glu	Met	Gln	Asn	Glu	
				65					70					75	
Ile	Val	Val	Gln	Leu	Leu	Glu	Lys	Ser	Pro	Leu	Thr	Pro	Leu	Pro	
				80					85					90	

WO 00/78953

PCT/US00/16668

Arg	Glu	Met	Ile	Thr	Leu	Glu	Thr	Val	Leu	Glu	Lys	Leu	Glu	Gly
				95					100					105
Glu	Leu	Gln	Glu	Ala	Asn	Gln	Asn	Gln	Gln	Ala	Leu	Lys	Gln	Ser
				110					115					120
Phe	Leu	Glu	Leu	Thr	Glu	Leu	Lys	Tyr	Leu	Leu	Lys	Lys	Thr	Gln
				125					130					135
Asp	Phe	Phe	Glu	Thr	Glu	Thr	Asn	Leu	Ala	Asp	Asp	Phe	Phe	Thr
				140					145					150
Glu	Asp	Thr	Ser	Gly	Leu	Leu	Glu	Leu	Lys	Ala	Val	Pro	Ala	Tyr
				155					160					165
Met	Thr	Gly	Lys	Leu	Gly	Phe	Ile	Ala	Gly	Cys	Asp	Pro	Thr	Gly
				170					175					180
Lys	Arg	Met	Ala	Ser	Phe	Glu	Arg	Leu	Leu	Trp	Arg	Val	Cys	Arg
				185					190					195
Gly	Asn	Val	Tyr	Leu	Lys	Phe	Ser	Glu	Met	Asp	Ala	Pro	Leu	Glu
				200					205					210
Asp	Pro	Val	Thr	Lys	Glu	Glu	Ile	Gln	Lys	His	Ile	Phe	Ile	Ile
				215					220					225
Phe	Tyr	Gln	Gly	Glu	Gln	Leu	Arg	Gln	Lys	Ile	Lys	Lys	Ile	Cys
				230					235					240
Asp	Gly	Phe	Arg	Ala	Thr	Val	Tyr	Pro	Cys	Pro	Glu	Pro	Ala	Val
				245					250					255
Glu	Arg	Arg	Glu	Met	Leu	Glu	Ser	Val	Asn	Val	Arg	Leu	Glu	Asp
				260					265					270
Leu	Ile	Thr	Val	Ile	Thr	Gln	Thr	Glu	Ser	His	Arg	Gln	Arg	Leu
				275					280					285
Leu	Gln	Glu	Ala	Ala	Ala	Asn	Trp	His	Ser	Trp	Leu	Ile	Lys	Val
				290					295					300
Gln	Lys	Met	Lys	Ala	Val	Tyr	His	Ile	Leu	Asn	Met	Cys	Asn	Ile
				305					310					315
Asp	Val	Thr	Gln	Gln	Cys	Val	Ile	Ala	Glu	Ile	Trp	Phe	Pro	Val
				320					325					330
Ala	Asp	Ala	Thr	Arg	Ile	Lys	Arg	Ala	Leu	Glu	Gln	Gly	Met	Glu
				335					340					345
Leu	Ser	Gly	Ser	Ser	Met	Ala	Pro	Ile	Met	Thr	Thr	Val	Gln	Ser
				350					355					360
Lys	Thr	Ala	Pro	Pro	Thr	Phe	Asn	Arg	Thr	Asn	Lys	Phe	Thr	Ala
				365					370					375
Gly	Phe	Gln	Asn	Ile	Val	Asp	Ala	Tyr	Gly	Val	Gly	Ser	Tyr	Arg
				380					385					390
Glu	Ile	Asn	Pro	Ala	Pro	Tyr	Thr	Ile	Ile	Thr	Phe	Pro	Phe	Leu
				395					400					405
Phe	Ala	Val	Met	Phe	Gly	Asp	Cys	Gly	His	Gly	Thr	Val	Met	Leu
				410					415					420
Leu	Ala	Ala	Leu	Trp	Met	Ile	Leu	Asn	Glu	Arg	Arg	Leu	Leu	Ser
				425					430					435
Gln	Lys	Thr	Asp	Asn	Glu	Ile	Trp	Asn	Thr	Phe	Phe	His	Gly	Arg
				440					445					450
Tyr	Leu	Ile	Leu	Leu	Met	Gly	Ile	Phe	Ser	Ile	Tyr	Thr	Gly	Leu
				455					460					465
Ile	Tyr	Asn	Asp	Cys	Phe	Ser	Lys	Ser	Leu	Asn	Ile	Phe	Gly	Ser
				470					475					480
Ser	Trp	Ser	Val	Gln	Pro	Met	Phe	Arg	Asn	Gly	Thr	Trp	Asn	Thr
				485					490					495
His	Val	Met	Glu	Glu	Ser	Leu	Tyr	Leu	Gln	Leu	Asp	Pro	Ala	Ile
				500					505					510
Pro	Gly	Val	Tyr	Phe	Gly	Asn	Pro	Tyr	Pro	Phe	Gly	Ile	Asp	Pro
				515					520					525
Ile	Trp	Asn	Leu	Ala	Ser	Asn	Lys	Leu	Thr	Phe	Leu	Asn	Ser	Tyr
				530					535					540
Lys	Met	Lys	Met	Ser	Val	Ile	Leu	Gly	Ile	Val	Gln	Met	Val	Phe
				545					550					555
Gly	Val	Ile	Leu	Ser	Leu	Phe	Asn	His	Ile	Tyr	Phe	Arg	Arg	Thr
				560					565					570
Leu	Asn	Ile	Ile	Leu	Gln	Phe	Ile	Pro	Glu	Met	Ile	Phe	Ile	Leu
				575					580					585
Cys	Leu	Phe	Gly	Tyr	Leu	Val	Phe	Met	Ile	Ile	Phe	Lys	Trp	Cys
				590					595					600

WO 00/78953

PCT/US00/16668

Cys	Phe	Asp	Val	His	Val	Ser	Gln	His	Ala	Pro	Ser	Ile	Leu	Ile
				605					610					615
His	Phe	Ile	Asn	Met	Phe	Leu	Phe	Asn	Tyr	Ser	Asp	Ser	Ser	Asn
				620					625					630
Ala	Pro	Leu	Tyr	Lys	His	Gln	Gln	Glu	Val	Gln	Ser	Phe	Phe	Val
				635					640					645
Val	Met	Ala	Leu	Ile	Ser	Val	Pro	Trp	Met	Leu	Leu	Ile	Lys	Pro
				650					655					660
Phe	Ile	Leu	Arg	Ala	Ser	His	Arg	Lys	Ser	Gln	Leu	Gln	Ala	Ser
				665					670					675
Arg	Ile	Gln	Glu	Asp	Ala	Thr	Glu	Asn	Ile	Glu	Gly	Asp	Ser	Ser
				680					685					690
Ser	Pro	Ser	Ser	Arg	Ser	Gly	Gln	Arg	Thr	Ser	Ala	Asp	Thr	His
				695					700					705
Gly	Ala	Leu	Asp	Asp	His	Gly	Glu	Glu	Phe	Asn	Phe	Gly	Asp	Val
				710					715					720
Phe	Val	His	Gln	Ala	Ile	His	Thr	Ile	Glu	Tyr	Cys	Leu	Gly	Cys
				725					730					735
Ile	Ser	Asn	Thr	Ala	Ser	Tyr	Leu	Arg	Leu	Trp	Ala	Leu	Ser	Leu
				740					745					750
Ala	His	Ala	Gln	Leu	Ser	Glu	Val	Leu	Trp	Thr	Met	Val	Met	Asn
				755					760					765
Ser	Gly	Leu	Gln	Thr	Arg	Gly	Trp	Gly	Gly	Ile	Val	Gly	Val	Phe
				770					775					780
Ile	Ile	Phe	Ala	Val	Phe	Ala	Val	Leu	Thr	Val	Ala	Ile	Leu	Leu
				785					790					795
Ile	Met	Glu	Gly	Leu	Ser	Ala	Phe	Leu	His	Ala	Leu	Arg	Leu	His
				800					805					810
Trp	Val	Glu	Phe	Gln	Asn	Lys	Phe	Tyr	Val	Gly	Asp	Gly	Tyr	Lys
				815					820					825
Phe	Ser	Pro	Phe	Ser	Phe	Lys	His	Ile	Leu	Asp	Gly	Thr	Ala	Glu
				830					835					840

Glu

<210> 21  
 <211> 253  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 3715961CD1

<400> 21

Met	Ser	Glu	Cys	Pro	Leu	Ile	Leu	Tyr	Ile	His	Lys	His	Ile	Asp
1				5					10					15
Thr	Tyr	Ser	Gln	Ser	Tyr	Leu	Phe	Asn	Asp	Leu	Phe	Tyr	Pro	Val
				20					25					30
Tyr	Ser	Gly	Gly	Arg	Met	Val	Thr	Tyr	Glu	His	Leu	Arg	Glu	Val
				35					40					45
Val	Phe	Gly	Lys	Ser	Glu	Asp	Glu	His	Tyr	Pro	Leu	Trp	Lys	Ser
				50					55					60
Val	Ile	Gly	Gly	Met	Met	Ala	Gly	Val	Ile	Gly	Gln	Phe	Leu	Ala
				65					70					75
Asn	Pro	Thr	Asp	Leu	Val	Lys	Val	Gln	Met	Gln	Met	Glu	Gly	Lys
				80					85					90
Arg	Lys	Leu	Glu	Gly	Lys	Pro	Leu	Arg	Phe	Arg	Gly	Val	His	His
				95					100					105
Ala	Phe	Ala	Lys	Ile	Leu	Ala	Glu	Gly	Gly	Ile	Arg	Gly	Leu	Trp
				110					115					120
Ala	Gly	Trp	Val	Pro	Asn	Ile	Gln	Arg	Ala	Ala	Leu	Val	Asn	Met
				125					130					135
Gly	Asp	Leu	Thr	Thr	Tyr	Asp	Thr	Val	Lys	His	Tyr	Leu	Val	Leu
				140					145					150
Asn	Thr	Pro	Leu	Glu	Asp	Asn	Ile	Met	Thr	His	Gly	Leu	Ser	Ser
				155					160					165
Leu	Cys	Ser	Gly	Leu	Val	Ala	Ser	Ile	Leu	Gly	Thr	Pro	Ala	Asp
				170					175					180

WO 00/78953

PCT/US00/16668

Val	Ile	Lys	Ser	Arg	Ile	Met	Asn	Gln	Pro	Arg	Asp	Lys	Gln	Gly
				185					190					195
Arg	Gly	Leu	Leu	Tyr	Lys	Ser	Ser	Thr	Asp	Cys	Leu	Ile	Gln	Ala
				200					205					210
Val	Gln	Gly	Glu	Gly	Phe	Met	Ser	Leu	Tyr	Lys	Gly	Phe	Leu	Pro
				215					220					225
Ser	Trp	Leu	Arg	Met	Thr	Pro	Trp	Ser	Met	Val	Phe	Trp	Leu	Thr
				230					235					240
Tyr	Glu	Lys	Ile	Arg	Glu	Met	Ser	Gly	Val	Ser	Pro	Phe		
				245					250					

&lt;210&gt; 22

&lt;211&gt; 229

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5108194CD1

&lt;400&gt; 22

Met	Gly	Asn	Gly	Val	Lys	Glu	Gly	Pro	Val	Arg	Leu	His	Glu	Asp
1				5					10					15
Ala	Glu	Ala	Val	Leu	Ser	Ser	Ser	Val	Ser	Ser	Lys	Arg	Asp	His
				20					25					30
Arg	Gln	Val	Leu	Ser	Ser	Leu	Leu	Ser	Gly	Ala	Leu	Ala	Gly	Ala
				35					40					45
Leu	Ala	Lys	Thr	Ala	Val	Ala	Pro	Leu	Asp	Arg	Thr	Lys	Ile	Ile
				50					55					60
Phe	Gln	Val	Ser	Ser	Lys	Arg	Phe	Ser	Ala	Lys	Glu	Ala	Phe	Arg
				65					70					75
Val	Leu	Tyr	Tyr	Thr	Tyr	Leu	Asn	Glu	Gly	Phe	Leu	Ser	Leu	Trp
				80					85					90
Arg	Gly	Asn	Ser	Ala	Thr	Met	Val	Arg	Val	Val	Pro	Tyr	Ala	Ala
				95					100					105
Ile	Gln	Phe	Ser	Ala	His	Glu	Glu	Tyr	Lys	Arg	Ile	Leu	Gly	Ser
				110					115					120
Tyr	Tyr	Gly	Phe	Arg	Gly	Glu	Ala	Leu	Pro	Pro	Trp	Pro	Arg	Leu
				125					130					135
Phe	Ala	Gly	Ala	Leu	Ala	Gly	Thr	Thr	Ala	Ala	Ser	Leu	Thr	Tyr
				140					145					150
Pro	Leu	Asp	Leu	Val	Arg	Ala	Arg	Met	Ala	Val	Thr	Pro	Lys	Glu
				155					160					165
Met	Tyr	Ser	Asn	Ile	Phe	His	Val	Phe	Ile	Arg	Ile	Ser	Arg	Glu
				170					175					180
Glu	Gly	Leu	Lys	Thr	Leu	Tyr	His	Gly	Phe	Met	Pro	Thr	Val	Leu
				185					190					195
Gly	Val	Ile	Pro	Tyr	Ala	Gly	Leu	Ser	Phe	Phe	Thr	Tyr	Glu	Thr
				200					205					210
Leu	Lys	Ser	Leu	His	Arg	Glu	Tyr	Ser	Gly	Arg	Lys	Leu	Ile	Pro
				215					220					225
Phe	Ser	Glu	Gly											

&lt;210&gt; 23

&lt;211&gt; 170

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5503122CD1

&lt;400&gt; 23

Met	Tyr	Asp	Asn	Leu	Tyr	Leu	His	Gly	Ile	Glu	Asp	Ser	Glu	Ala
1				5					10					15
Gly	Ser	Ala	Asp	Ser	Tyr	Thr	Ser	Arg	Pro	Ser	Asp	Ser	Asp	Val
				20					25					30
Ser	Leu	Glu	Glu	Asp	Arg	Glu	Ala	Ile	Arg	Gln	Glu	Arg	Glu	Gln
				35					40					45



WO 00/78953

PCT/US00/16668

Gln	Ala	Ala	Ile	Gln	Leu	Glu	Arg	Ala	Lys	Ser	Lys	Pro	Val	Ala	
				50					55					60	
Phe	Ala	Val	Lys	Thr	Asn	Val	Ser	Tyr	Cys	Gly	Ala	Leu	Asp	Glu	
				65					70					75	
Asp	Val	Pro	Val	Pro	Ser	Thr	Ala	Ile	Ser	Phe	Asp	Ala	Lys	Asp	
				80					85					90	
Phe	Leu	His	Ile	Lys	Glu	Lys	Tyr	Asn	Asn	Asp	Trp	Trp	Ile	Gly	
				95					100					105	
Arg	Leu	Val	Lys	Glu	Gly	Cys	Glu	Ile	Gly	Phe	Ile	Pro	Ser	Pro	
				110					115					120	
Leu	Arg	Leu	Glu	Asn	Ile	Arg	Ile	Gln	Gln	Glu	Gln	Lys	Arg	Gly	
				125					130					135	
Arg	Phe	His	Gly	Gly	Lys	Ser	Ser	Gly	Asn	Ser	Ser	Ser	Ser	Leu	
				140					145					150	
Gly	Glu	Met	Val	Ser	Gly	Thr	Phe	Arg	Ala	Thr	Pro	Thr	Ser	Thr	
				155					160					165	
Gly	Glu	Gly	Cys	Ser											
				170											

&lt;210&gt; 24

&lt;211&gt; 655

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5517972CD1

&lt;400&gt; 24

Met	Ser	Ser	Ser	Asn	Val	Glu	Val	Phe	Ile	Pro	Val	Ser	Gln	Gly	
1				5					10					15	
Asn	Thr	Asn	Gly	Phe	Pro	Ala	Thr	Ala	Ser	Asn	Asp	Leu	Lys	Ala	
				20					25					30	
Phe	Thr	Glu	Gly	Ala	Val	Leu	Ser	Phe	His	Asn	Ile	Cys	Tyr	Arg	
				35					40					45	
Val	Lys	Leu	Lys	Ser	Gly	Phe	Leu	Pro	Cys	Arg	Lys	Pro	Val	Glu	
				50					55					60	
Lys	Glu	Ile	Leu	Ser	Asn	Ile	Asn	Gly	Ile	Met	Lys	Pro	Gly	Leu	
				65					70					75	
Asn	Ala	Ile	Leu	Gly	Pro	Thr	Gly	Gly	Gly	Lys	Ser	Ser	Leu	Leu	
				80					85					90	
Asp	Val	Leu	Ala	Ala	Arg	Lys	Asp	Pro	Ser	Gly	Leu	Ser	Gly	Asp	
				95					100					105	
Val	Leu	Ile	Asn	Gly	Ala	Pro	Arg	Pro	Ala	Asn	Phe	Lys	Cys	Asn	
				110					115					120	
Ser	Gly	Tyr	Val	Val	Gln	Asp	Asp	Val	Val	Met	Gly	Thr	Leu	Thr	
				125					130					135	
Val	Arg	Glu	Asn	Leu	Gln	Phe	Ser	Ala	Ala	Leu	Arg	Leu	Ala	Thr	
				140					145					150	
Thr	Met	Thr	Asn	His	Glu	Lys	Asn	Glu	Arg	Ile	Asn	Arg	Val	Ile	
				155					160					165	
Gln	Glu	Leu	Gly	Leu	Asp	Lys	Val	Ala	Asp	Ser	Lys	Val	Gly	Thr	
				170					175					180	
Gln	Phe	Ile	Arg	Gly	Val	Ser	Gly	Gly	Glu	Arg	Lys	Arg	Thr	Ser	
				185					190					195	
Ile	Gly	Met	Glu	Leu	Ile	Thr	Asp	Pro	Ser	Ile	Leu	Phe	Leu	Asp	
				200					205					210	
Glu	Pro	Thr	Thr	Gly	Leu	Asp	Ser	Ser	Thr	Ala	Asn	Ala	Val	Leu	
				215					220					225	
Leu	Leu	Leu	Lys	Arg	Met	Ser	Lys	Gln	Gly	Arg	Thr	Ile	Ile	Phe	
				230					235					240	
Ser	Ile	His	Gln	Pro	Arg	Tyr	Ser	Ile	Phe	Lys	Leu	Phe	Asp	Ser	
				245					250					255	
Leu	Thr	Leu	Leu	Ala	Ser	Gly	Arg	Leu	Met	Phe	His	Gly	Pro	Ala	
				260					265					270	
Gln	Glu	Ala	Leu	Gly	Tyr	Phe	Glu	Ser	Ala	Gly	Tyr	His	Cys	Glu	
				275					280					285	
Ala	Tyr	Asn	Asn	Pro	Ala	Asp	Phe	Phe	Leu	Asp	Ile	Ile	Asn	Gly	
				290					295					300	

WO 00/78953

PCT/US00/16668

Asp	Ser	Thr	Ala	Val	Ala	Leu	Asn	Arg	Glu	Glu	Asp	Phe	Lys	Ala
				305					310					315
Thr	Glu	Ile	Ile	Glu	Pro	Ser	Lys	Gln	Asp	Lys	Pro	Leu	Ile	Glu
				320					325					330
Lys	Leu	Ala	Glu	Ile	Tyr	Val	Asn	Ser	Ser	Phe	Tyr	Lys	Glu	Thr
				335					340					345
Lys	Ala	Glu	Leu	His	Gln	Leu	Ser	Gly	Gly	Glu	Lys	Lys	Lys	Lys
				350					355					360
Ile	Thr	Val	Phe	Lys	Glu	Ile	Ser	Tyr	Thr	Thr	Ser	Phe	Cys	His
				365					370					375
Gln	Leu	Arg	Trp	Val	Ser	Lys	Arg	Ser	Phe	Lys	Asn	Leu	Leu	Gly
				380					385					390
Asn	Pro	Gln	Ala	Ser	Ile	Ala	Gln	Ile	Ile	Val	Thr	Val	Val	Leu
				395					400					405
Gly	Leu	Val	Ile	Gly	Ala	Ile	Tyr	Phe	Gly	Leu	Lys	Asn	Asp	Ser
				410					415					420
Thr	Gly	Ile	Gln	Asn	Arg	Ala	Gly	Val	Leu	Phe	Phe	Leu	Thr	Thr
				425					430					435
Asn	Gln	Cys	Phe	Ser	Ser	Val	Ser	Ala	Val	Glu	Leu	Phe	Val	Val
				440					445					450
Glu	Lys	Lys	Leu	Phe	Ile	His	Glu	Tyr	Ile	Ser	Gly	Tyr	Tyr	Arg
				455					460					465
Val	Ser	Ser	Tyr	Phe	Leu	Gly	Lys	Leu	Leu	Ser	Asp	Leu	Leu	Pro
				470					475					480
Met	Arg	Met	Leu	Pro	Ser	Ile	Ile	Phe	Thr	Cys	Ile	Val	Tyr	Phe
				485					490					495
Met	Leu	Gly	Leu	Lys	Pro	Lys	Ala	Asp	Ala	Phe	Phe	Val	Met	Met
				500					505					510
Phe	Thr	Leu	Met	Met	Val	Ala	Tyr	Ser	Ala	Ser	Ser	Met	Ala	Leu
				515					520					525
Ala	Ile	Ala	Ala	Gly	Gln	Ser	Val	Val	Ser	Val	Ala	Thr	Leu	Leu
				530					535					540
Met	Thr	Ile	Cys	Phe	Val	Phe	Met	Met	Ile	Phe	Ser	Gly	Leu	Leu
				545					550					555
Val	Asn	Leu	Thr	Thr	Ile	Ala	Ser	Trp	Leu	Ser	Trp	Leu	Gln	Tyr
				560					565					570
Phe	Ser	Ile	Pro	Arg	Tyr	Gly	Phe	Thr	Ala	Leu	Gln	His	Asn	Glu
				575					580					585
Phe	Leu	Gly	Gln	Asn	Phe	Cys	Pro	Gly	Leu	Asn	Ala	Thr	Gly	Asn
				590					595					600
Asn	Pro	Cys	Asn	Tyr	Ala	Thr	Cys	Thr	Gly	Glu	Glu	Tyr	Leu	Val
				605					610					615
Lys	Gln	Gly	Ile	Asp	Leu	Ser	Pro	Trp	Gly	Leu	Trp	Lys	Asn	His
				620					625					630
Val	Ala	Leu	Ala	Cys	Met	Ile	Val	Ile	Phe	Leu	Thr	Ile	Ala	Tyr
				635					640					645
Leu	Lys	Leu	Leu	Phe	Leu	Lys	Lys	Tyr	Ser					
				650					655					

&lt;210&gt; 25

&lt;211&gt; 184

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5593114CD1

&lt;400&gt; 25

Met	Trp	Val	Phe	Gly	Tyr	Gly	Ser	Leu	Ile	Trp	Lys	Val	Asp	Phe
1				5					10					15
Pro	Tyr	Gln	Asp	Lys	Leu	Val	Gly	Tyr	Ile	Thr	Asn	Tyr	Ser	Arg
				20					25					30
Arg	Phe	Trp	Gln	Gly	Ser	Thr	Asp	His	Arg	Gly	Val	Pro	Gly	Lys
				35					40					45
Pro	Gly	Arg	Val	Val	Thr	Leu	Val	Glu	Asp	Pro	Ala	Gly	Cys	Val
				50					55					60
Trp	Gly	Val	Ala	Tyr	Arg	Leu	Pro	Val	Gly	Lys	Glu	Glu	Glu	Val
				65					70					75

WO 00/78953

PCT/US00/16668

Lys Ala Tyr Leu Asp Phe Arg Glu Lys Gly Gly Tyr Arg Thr Thr  
 80 85 90  
 Thr Val Ile Phe Tyr Pro Lys Asp Pro Thr Thr Lys Pro Phe Ser  
 95 100 105  
 Val Leu Leu Tyr Ile Gly Thr Cys Asp Asn Pro Asp Tyr Leu Gly  
 110 115 120  
 Pro Ala Pro Leu Glu Asp Ile Ala Glu Gln Ile Phe Asn Ala Ala  
 125 130 135  
 Gly Pro Ser Gly Arg Asn Thr Glu Tyr Leu Phe Glu Leu Ala Asn  
 140 145 150  
 Ser Ile Arg Asn Leu Val Pro Glu Glu Ala Asp Glu His Leu Phe  
 155 160 165  
 Ala Leu Glu Lys Leu Val Lys Glu Arg Leu Glu Gly Lys Gln Asn  
 170 175 180  
 Leu Asn Cys Ile

&lt;210&gt; 26

&lt;211&gt; 154

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 044775CD1

&lt;400&gt; 26

Met Gly Ala Phe Glu Cys Val Arg Lys Val Tyr Gln Thr Asp Gly  
 1 5 10 15  
 Leu Lys Gly Phe Tyr Arg Gly Met Ser Ala Ser Tyr Ala Gly Ile  
 20 25 30  
 Ser Glu Thr Val Ile His Phe Val Ile Tyr Glu Ser Ile Lys Gln  
 35 40 45  
 Lys Leu Leu Glu Tyr Lys Thr Ala Ser Thr Met Glu Asn Asp Glu  
 50 55 60  
 Glu Ser Val Lys Glu Ala Ser Asp Phe Val Gly Met Met Leu Ala  
 65 70 75  
 Ala Ala Thr Ser Lys Thr Cys Ala Thr Thr Ile Ala Tyr Pro His  
 80 85 90  
 Glu Val Val Arg Thr Arg Leu Arg Glu Gly Thr Lys Tyr Arg  
 95 100 105  
 Ser Phe Phe Gln Thr Leu Ser Leu Leu Val Gln Glu Glu Gly Tyr  
 110 115 120  
 Gly Ser Leu Tyr Arg Gly Leu Thr Thr His Leu Val Arg Gln Ile  
 125 130 135  
 Pro Asn Thr Ala Ile Met Met Ala Thr Tyr Glu Leu Val Val Tyr  
 140 145 150  
 Leu Leu Asn Gly

&lt;210&gt; 27

&lt;211&gt; 438

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 116588CD1

&lt;400&gt; 27

Met Leu Leu Val Thr Pro Arg Pro Glu Arg Gly Gly Arg Gly Thr  
 1 5 10 15  
 Glu Leu Gly Glu Phe Cys Gly Thr Pro Leu Leu Phe Ser Ser Tyr  
 20 25 30  
 Phe Cys Tyr Asp Asn Pro Ala Ala Leu Gln Thr Gln Val Lys Arg  
 35 40 45  
 Asp Met Gln Val Asn Thr Thr Lys Phe Met Leu Leu Tyr Ala Trp  
 50 55 60  
 Tyr Ser Trp Pro Asn Val Val Leu Cys Phe Phe Gly Gly Phe Leu  
 65 70 75

WO 00/78953

PCT/US00/16668

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Ile Asp Arg Val Phe Gly Ile Arg Trp Gly Thr Ile Ile Phe Ser
80 85 90
Cys Phe Val Cys Ile Gly Gln Val Val Phe Ala Leu Gly Gly Ile
95 100 105
Phe Asn Ala Phe Trp Leu Met Glu Phe Gly Arg Phe Val Phe Gly
110 115 120
Ile Gly Gly Glu Ser Leu Ala Val Ala Gln Asn Thr Tyr Ala Val
125 130 135
Ser Trp Phe Lys Gly Lys Glu Leu Asn Leu Val Phe Gly Leu Gln
140 145 150
Leu Ser Met Ala Arg Ile Gly Ser Thr Val Asn Met Asn Leu Met
155 160 165
Gly Trp Leu Tyr Ser Lys Ile Glu Ala Leu Leu Gly Ser Ala Gly
170 175 180
His Thr Thr Leu Gly Ile Thr Leu Met Ile Gly Gly Val Thr Cys
185 190 195
Ile Leu Ser Leu Ile Cys Ala Leu Ala Leu Ala Tyr Leu Asp Gln
200 205 210
Arg Ala Glu Arg Ile Leu His Lys Glu Gln Gly Lys Thr Gly Glu
215 220 225
Val Ile Lys Leu Thr Asp Val Lys Asp Phe Ser Leu Pro Leu Trp
230 235 240
Leu Ile Phe Ile Ile Cys Val Cys Tyr Tyr Val Ala Val Phe Pro
245 250 255
Phe Ile Gly Leu Gly Lys Val Phe Phe Thr Glu Lys Phe Gly Phe
260 265 270
Ser Ser Gln Ala Ala Ser Ala Ile Asn Ser Val Val Tyr Val Ile
275 280 285
Ser Ala Pro Met Ser Pro Val Phe Gly Leu Leu Val Asp Lys Thr
290 295 300
Gly Lys Asn Ile Ile Trp Val Leu Cys Ala Val Ala Ala Thr Leu
305 310 315
Val Ser His Met Met Leu Ala Phe Thr Met Trp Asn Pro Trp Ile
320 325 330
Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser Leu Leu Ala Cys Ala
335 340 345
Leu Trp Pro Met Val Ala Phe Val Val Pro Glu His Gln Leu Gly
350 355 360
Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu Gly Leu Ala
365 370 375
Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg Gly Tyr
380 385 390
Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser Leu
395 400 405
Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly
410 415 420
Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser
425 430 435
His Thr Glu

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<210> 28  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 875369CD1

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<400> 28
Met Ala His Val Gly Ser Arg Lys Arg Ser Arg Ser Arg Ser Arg
1 5 10 15
Ser Arg Gly Arg Gly Ser Glu Lys Arg Lys Lys Lys Ser Arg Lys
20 25 30
Asp Thr Ser Arg Asn Cys Ser Ala Ser Thr Ser Gln Gly Arg Lys
35 40 45
Ala Ser Thr Ala Pro Gly Ala Glu Ala Ser Pro Ser Pro Cys Ile
50 55 60

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WO 00/78953

PCT/US00/16668

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2060987CD1

&lt;400&gt; 30

Met	Ala	Ala	Ala	Ala	Thr	Ala	Ala	Glu	Gly	Val	Pro	Ser	Arg	Gly
1				5					10					15
Pro	Pro	Gly	Glu	Val	Ile	His	Leu	Asn	Val	Gly	Gly	Lys	Arg	Phe
				20					25					30
Ser	Thr	Ser	Arg	Gln	Thr	Leu	Thr	Trp	Ile	Pro	Asp	Ser	Phe	Phe
				35					40					45
Ser	Ser	Leu	Leu	Ser	Gly	Arg	Ile	Ser	Thr	Leu	Lys	Asp	Glu	Thr
				50					55					60
Gly	Ala	Ile	Phe	Ile	Asp	Arg	Asp	Pro	Thr	Val	Phe	Ala	Pro	Ile
				65					70					75
Leu	Asn	Phe	Leu	Arg	Thr	Lys	Glu	Leu	Asp	Pro	Arg	Gly	Val	His
				80					85					90
Gly	Ser	Ser	Leu	Leu	His	Glu	Ala	Gln	Phe	Tyr	Gly	Leu	Thr	Pro
				95					100					105
Leu	Val	Arg	Arg	Leu	Gln	Leu	Arg	Glu	Glu	Leu	Asp	Arg	Ser	Ser
				110					115					120
Cys	Gly	Asn	Val	Leu	Phe	Asn	Gly	Tyr	Leu	Pro	Pro	Pro	Val	Phe
				125					130					135
Pro	Val	Lys	Arg	Arg	Asn	Arg	His	Ser	Leu	Val	Gly	Pro	Gln	Gln
				140					145					150
Leu	Gly	Gly	Arg	Pro	Ala	Pro	Val	Arg	Arg	Ser	Asn	Thr	Met	Pro
				155					160					165
Pro	Asn	Leu	Gly	Asn	Ala	Gly	Leu	Leu	Gly	Arg	Met	Leu	Asp	Glu
				170					175					180
Lys	Thr	Pro	Pro	Ser	Pro	Ser	Gly	Gln	Pro	Glu	Glu	Pro	Gly	Met
				185					190					195
Val	Arg	Leu	Val	Cys	Gly	His	His	Asn	Trp	Ile	Ala	Val	Ala	Tyr
				200					205					210
Thr	Gln	Phe	Leu	Val	Cys	Tyr	Arg	Leu	Lys	Glu	Ala	Ser	Gly	Trp
				215					220					225
Gln	Leu	Val	Phe	Ser	Ser	Pro	Arg	Leu	Asp	Trp	Pro	Ile	Glu	Arg
				230					235					240
Leu	Ala	Leu	Thr	Ala	Arg	Val	His	Gly	Gly	Ala	Leu	Gly	Glu	His
				245					250					255
Asp	Lys	Met	Val	Ala	Ala	Ala	Thr	Gly	Ser	Glu	Ile	Leu	Leu	Trp
				260					265					270
Ala	Leu	Gln	Ala	Glu	Gly	Gly	Gly	Ser	Glu	Ile	Gly	Val	Phe	His
				275					280					285
Leu	Gly	Val	Pro	Val	Glu	Ala	Leu	Phe	Phe	Val	Gly	Asn	Gln	Leu
				290					295					300
Ile	Ala	Thr	Ser	His	Thr	Gly	Arg	Ile	Gly	Val	Trp	Asn	Ala	Val
				305					310					315
Thr	Lys	His	Trp	Gln	Val	Gln	Glu	Val	Gln	Pro	Ile	Thr	Ser	Tyr
				320					325					330
Asp	Ala	Ala	Gly	Ser	Phe	Leu	Leu	Leu	Gly	Cys	Asn	Asn	Gly	Ser
				335					340					345
Ile	Tyr	Tyr	Val	Asp	Val	Gln	Lys	Phe	Pro	Leu	Arg	Met	Lys	Asp
				350					355					360
Asn	Asp	Leu	Leu	Val	Ser	Glu	Leu	Tyr	Arg	Asp	Pro	Ala	Glu	Asp
				365					370					375
Gly	Val	Thr	Ala	Leu	Ser	Val	Tyr	Leu	Thr	Pro	Lys	Thr	Ser	Asp
				380					385					390
Ser	Gly	Asn	Trp	Ile	Glu	Ile	Ala	Tyr	Gly	Thr	Ser	Ser	Gly	Gly
				395					400					405
Val	Arg	Val	Ile	Val	Gln	His	Pro	Glu	Thr	Val	Gly	Ser	Gly	Pro
				410					415					420
Gln	Leu	Phe	Gln	Thr	Phe	Thr	Val	His	Arg	Ser	Pro	Val	Thr	Lys
				425					430					435
Ile	Met	Leu	Ser	Glu	Lys	His	Leu	Ile	Ser	Val	Cys	Ala	Asp	Asn
				440					445					450
Asn	His	Val	Arg	Thr	Trp	Ser	Val	Thr	Arg	Phe	Arg	Gly	Met	Ile
				455					460					465
Ser	Thr	Gln	Pro	Gly	Ser	Thr	Pro	Leu	Ala	Ser	Phe	Lys	Ile	Leu

WO 00/78953

PCT/US00/16668

Ala Leu Glu Ser	470	Ala Asp Gly His Gly	475	Gly Cys Ser Ala Gly	480
Asp Ile Gly Pro	485	Tyr Gly Glu Arg Asp	490	Gln Gln Val Phe	495
Gln Lys Val Val	500	Pro Ser Ala Ser Gln	505	Leu Phe Val Arg Leu	510
Ser Thr Gly Gln	515	Val Cys Ser Val Arg	520	Ser Val Asp Gly	525
Pro Thr Thr Ala	530	Phe Thr Val Leu Glu	535	Cys Glu Gly Ser Arg	540
Leu Gly Ser Arg	545	Pro Arg Arg Tyr Leu	550	Leu Thr Gly Gln Ala	555
Gly Ser Leu Ala	560	Met Trp Asp Leu Thr	565	Thr Ala Met Asp Gly	570
Gly Gln Ala Pro	575	Ala Gly Gly Leu Thr	580	Gln Glu Leu Met	585
Gln Leu Glu His	590	Cys Glu Leu Ala Pro	595	Pro Ala Pro Ser Ala	600
Ser Trp Gly Cys	605	Leu Pro Ser Pro Ser	610	Pro Arg Ile Ser Leu	615
Ser Leu His Ser	620	Ala Ser Ser Asn Thr	625	Ser Leu Ser Gly His	630
Gly Ser Pro Ser	635	Pro Pro Gln Ala Glu	640	Ala Arg Arg Arg Gly	645
Gly Ser Phe Val	650	Glu Arg Cys Gln Glu	655	Val Arg Ser Gly	660
Asp Leu Arg Arg	665	Pro Pro Thr Pro Ala	670	Pro Trp Pro Ser Ser	675
Leu Gly Thr Pro	680	Leu Thr Pro Pro Lys	685	Lys Leu Asn Glu	690
Ser Phe	695		700		705

<210> 31  
 <211> 279  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2172064CD1

<400> 31

Met Cys Gly Arg Phe	1	Leu Arg Arg Leu Leu	10	Ala Glu Glu Ser Arg	15
Arg Ser Thr Pro Val	5	Gly Arg Leu Leu Leu	20	Pro Val Leu Leu Gly	25
Phe Arg Leu Val Leu	20	Leu Ala Ala Ser Gly	25	Pro Gly Val Tyr Gly	30
Asp Glu Gln Ser Glu	35	Phe Val Cys His Thr	40	Gln Gln Pro Gly Cys	45
Lys Ala Ala Cys Phe	50	Asp Ala Phe His Pro	55	Leu Ser Pro Leu Arg	60
Ser Trp Val Phe Gln	65	Val Ile Leu Val Ala	70	Val Pro Ser Ala Leu	75
Tyr Met Gly Phe Thr	80	Leu Tyr His Val Ile	85	Trp His Trp Glu Leu	90
Ser Gly Lys Gly Lys	95	Glu Glu Glu Thr Leu	100	Ile Gln Gly Arg Glu	105
Gly Asn Thr Asp Val	110	Pro Gly Ala Gly Ser	115	Leu Arg Leu Leu Trp	120
Ala Tyr Val Ala Gln	125	Leu Gly Ala Arg Leu	130	Val Leu Glu Gly Ala	135
Ala Leu Gly Leu Gln	140	Tyr His Leu Tyr Gly	145	Phe Gln Met Pro Ser	150
Ser Phe Ala Cys Arg	155	Arg Glu Pro Cys Leu	160	Gly Ser Ile Thr Cys	165
Asn Leu Ser Arg Pro	170	Ser Glu Lys Thr Ile	175	Phe Leu Lys Thr Met	180

WO 00/78953

PCT/US00/16668

Phe Gly Val Ser	185	Phe Cys Leu Leu	190	Phe Thr Phe Leu Glu Leu	195
	200		205		210
Val Leu Leu Gly	215	Leu Gly Arg Trp Trp	220	Arg Thr Trp Lys His Lys	225
Ser Ser Ser Ser	230	Lys Tyr Phe Leu Thr	235	Ser Glu Ser Thr Arg Arg	240
His Lys Lys Ala	245	Thr Asp Ser Leu Pro	250	Val Val Glu Thr Lys Glu	255
Gln Phe Gln Glu	260	Ala Val Pro Gly Arg	265	Ser Leu Ala Gln Glu Lys	270
Gln Arg Pro Val	275	Gly Pro Arg Asp Ala			

<210> 32  
 <211> 154  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2219267CD1

Met Val Thr Gly Leu Ala Ser Leu Leu Leu Leu Ala Gly Ala Gln	32
1 5 10 15	
Tyr Leu Pro Gly Trp Thr Val Leu Phe Leu Ser Val Leu Gly Leu	20
20 25 30	
Leu Ala Ser Arg Ala Val Ser Ala Leu Ser Ser Leu Phe Ala Ala	35
35 40 45	
Glu Val Phe Pro Thr Val Ile Arg Gly Ala Gly Leu Gly Leu Val	50
50 55 60	
Leu Gly Ala Gly Phe Leu Gly Gln Ala Ala Gly Pro Leu Asp Thr	65
65 70 75	
Leu His Gly Arg Gln Gly Phe Phe Leu Gln Gln Val Val Phe Ala	80
80 85 90	
Ser Leu Ala Val Leu Ala Leu Leu Cys Val Leu Leu Leu Pro Glu	95
95 100 105	
Ser Arg Ser Arg Gly Leu Pro Gln Ser Leu Gln Asp Ala Asp Arg	110
110 115 120	
Leu Arg Arg Ser Pro Leu Leu Arg Gly Arg Pro Arg Gln Asp His	125
125 130 135	
Leu Pro Leu Leu Pro Pro Ser Asn Ser Tyr Trp Ala Gly His Thr	140
140 145 150	
Pro Glu Gln His	

<210> 33  
 <211> 289  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2308629CD1

Met Val Ala Gly Ala Val Ala Gly Ile Leu Glu His Cys Val Met	33
1 5 10 15	
Tyr Pro Ile Asp Cys Val Lys Thr Arg Met Gln Ser Leu Gln Pro	20
20 25 30	
Asp Pro Ala Ala Arg Tyr Arg Asn Val Leu Glu Ala Leu Trp Arg	35
35 40 45	
Ile Ile Arg Thr Glu Gly Leu Trp Arg Pro Met Arg Gly Leu Asn	50
50 55 60	
Val Thr Ala Thr Gly Ala Gly Pro Ala His Ala Leu Tyr Phe Ala	65
65 70 75	
Cys Tyr Glu Lys Leu Lys Lys Thr Leu Ser Asp Val Ile His Pro	80
80 85 90	
Gly Gly Asn Ser His Ile Ala Asn Gly Ala Ala Gly Cys Val Ala	140



WO 00/78953

PCT/US00/16668

	95		100		105									
Thr	Leu	Leu	His	Asp	Ala	Ala	Met	Asn	Pro	Ala	Glu	Val	Val	Lys
	110													120
Gln	Arg	Met	Gln	Met	Tyr	Asn	Ser	Pro	Tyr	His	Arg	Val	Thr	Asp
	125													135
Cys	Val	Arg	Ala	Val	Trp	Gln	Asn	Glu	Gly	Ala	Gly	Ala	Phe	Tyr
	140													150
Arg	Ser	Tyr	Thr	Thr	Gln	Leu	Thr	Met	Asn	Val	Pro	Phe	Gln	Ala
	155													165
Ile	His	Phe	Met	Thr	Tyr	Glu	Phe	Leu	Gln	Glu	His	Phe	Asn	Pro
	170													180
Gln	Arg	Arg	Tyr	Asn	Pro	Ser	Ser	His	Val	Leu	Ser	Gly	Ala	Cys
	185													195
Ala	Gly	Ala	Val	Ala	Ala	Ala	Ala	Thr	Thr	Pro	Leu	Asp	Val	Cys
	200													210
Lys	Thr	Leu	Leu	Asn	Thr	Gln	Glu	Ser	Leu	Ala	Leu	Asn	Ser	His
	215													225
Ile	Thr	Gly	His	Ile	Thr	Gly	Met	Ala	Ser	Ala	Phe	Arg	Thr	Val
	230													240
Tyr	Gln	Val	Gly	Gly	Val	Thr	Ala	Tyr	Phe	Arg	Gly	Val	Gln	Ala
	245													255
Arg	Val	Ile	Tyr	Gln	Ile	Pro	Ser	Thr	Ala	Ile	Ala	Trp	Ser	Val
	260													270
Tyr	Glu	Phe	Phe	Lys	Tyr	Leu	Ile	Thr	Lys	Arg	Gln	Glu	Glu	Trp
	275													285
Arg	Ala	Gly	Lys											

&lt;210&gt; 34

&lt;211&gt; 300

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2660038CD1

&lt;400&gt; 34

Met	Asp	Phe	Leu	Met	Ser	Gly	Leu	Ala	Ala	Cys	Gly	Ala	Cys	Val
1				5					10					15
Phe	Thr	Asn	Pro	Leu	Glu	Val	Val	Lys	Thr	Arg	Met	Gln	Leu	Gln
				20					25					30
Gly	Glu	Leu	Gln	Ala	Pro	Gly	Thr	Tyr	Gln	Arg	His	Tyr	Arg	Asn
				35					40					45
Val	Phe	His	Ala	Phe	Ile	Thr	Ile	Gly	Lys	Val	Asp	Gly	Leu	Ala
				50					55					60
Ala	Leu	Gln	Lys	Gly	Leu	Ala	Pro	Ala	Leu	Leu	Tyr	Gln	Phe	Leu
				65					70					75
Met	Asn	Gly	Ile	Arg	Leu	Gly	Thr	Tyr	Gly	Leu	Ala	Glu	Ala	Gly
				80					85					90
Gly	Tyr	Leu	His	Thr	Ala	Glu	Ala	Thr	His	Ser	Pro	Ala	Arg	Ser
				95					100					105
Ala	Ala	Ala	Gly	Ala	Met	Ala	Gly	Val	Met	Gly	Ala	Tyr	Leu	Gly
				110					115					120
Ser	Pro	Ile	Tyr	Met	Val	Lys	Thr	His	Leu	Gln	Ala	Gln	Ala	Ala
				125					130					135
Ser	Glu	Ile	Ala	Val	Gly	His	Gln	Tyr	Lys	His	Gln	Gly	Met	Phe
				140					145					150
Gln	Ala	Leu	Thr	Glu	Ile	Gly	Gln	Lys	His	Gly	Leu	Val	Gly	Leu
				155					160					165
Trp	Arg	Gly	Ala	Leu	Gly	Gly	Leu	Pro	Arg	Val	Ile	Val	Gly	Ser
				170					175					180
Ser	Thr	Gln	Leu	Cys	Thr	Phe	Ser	Ser	Thr	Lys	Asp	Leu	Leu	Ser
				185					190					195
Gln	Trp	Glu	Ile	Phe	Pro	Pro	Gln	Ser	Trp	Lys	Leu	Ala	Leu	Val
				200					205					210
Ala	Ala	Met	Met	Ser	Gly	Ile	Ala	Val	Val	Leu	Ala	Met	Ala	Pro
				215					220					225
Phe	Asp	Val	Ala	Cys	Thr	Arg	Leu	Tyr	Asn	Gln	Pro	Thr	Asp	Ala

WO 00/78953

PCT/US00/16668

Gln Gly Lys Gly	230	Leu Met Tyr Arg Gly	235	Ile Leu Asp Ala Leu	240
	245	Thr Glu Gly Ile Phe	250	Met Tyr Lys Gly	255
Gln Thr Ala Arg	260	Phe Arg Leu Gly Pro	265	Thr Ile Leu Ser	270
Gly Ala Ser Tyr	275	Gln Leu Arg Ser Leu	280	Tyr Thr Asp Thr	285
Phe Phe Trp Asp	290		295		300

<210> 35  
 <211> 382  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2670745CD1

<400> 35

Met Leu Arg Trp Thr	Val His Leu Glu Gly	Gly Pro Arg Arg	Val
1	5	10	15
Asn His Ala Ala Val	Ala Val Gly His Arg	Val Tyr Ser Phe	Gly
	20	25	30
Gly Tyr Cys Ser Gly	Glu Asp Tyr Glu Thr	Leu Arg Gln Ile	Asp
	35	40	45
Val His Ile Phe Asn	Ala Val Ser Leu Arg	Trp Thr Lys Leu	Pro
	50	55	60
Pro Val Lys Ser Ala	Ile Arg Gly Gln Ala	Pro Val Val Pro	Tyr
	65	70	75
Met Arg Tyr Gly His	Ser Thr Val Leu Ile	Asp Asp Thr Val	Leu
	80	85	90
Leu Trp Gly Gly Arg	Asn Asp Thr Glu Gly	Ala Cys Asn Val	Leu
	95	100	105
Tyr Ala Phe Asp Val	Asn Thr His Lys Trp	Phe Thr Pro Arg	Val
	110	115	120
Ser Gly Thr Val Pro	Gly Ala Arg Asp Gly	His Ser Ala Cys	Val
	125	130	135
Leu Gly Lys Ile Met	Tyr Ile Phe Gly Gly	Tyr Glu Gln Gln	Ala
	140	145	150
Asp Cys Phe Ser Asn	Asp Ile His Lys Leu	Asp Thr Ser Thr	Met
	155	160	165
Thr Trp Thr Leu Ile	Cys Thr Lys Gly Ser	Pro Ala Arg Trp	Arg
	170	175	180
Asp Phe His Ser Ala	Thr Met Leu Gly Ser	His Met Tyr Val	Phe
	185	190	195
Gly Gly Arg Ala Asp	Arg Phe Gly Pro Phe	His Ser Asn Asn	Glu
	200	205	210
Ile Tyr Cys Asn Arg	Ile Arg Val Phe Asp	Thr Arg Thr Glu	Ala
	215	220	225
Trp Leu Asp Cys Pro	Pro Thr Pro Val Leu	Pro Glu Gly Arg	Arg
	230	235	240
Ser His Ser Ala Phe	Gly Tyr Asn Gly Glu	Leu Tyr Ile Phe	Gly
	245	250	255
Gly Tyr Asn Ala Arg	Leu Asn Arg His Phe	His Asp Leu Trp	Lys
	260	265	270
Phe Asn Pro Val Ser	Phe Thr Trp Lys Lys	Ile Glu Pro Lys	Gly
	275	280	285
Lys Gly Pro Cys Pro	Arg Arg Arg Gln Cys	Cys Cys Ile Val	Gly
	290	295	300
Asp Lys Ile Val Leu	Phe Gly Gly Thr Ser	Pro Ser Pro Glu	Glu
	305	310	315
Gly Leu Gly Asp Glu	Phe Asp Leu Ile Asp	His Ser Asp Leu	His
	320	325	330
Ile Leu Asp Phe Ser	Pro Ser Leu Lys Thr	Leu Cys Lys Leu	Ala
	335	340	345
Val Ile Gln Tyr Asn	Leu Asp Gln Ser Cys	Leu Pro His Asp	Ile
	350	355	360

WO 00/78953

PCT/US00/16668

Arg Trp Glu Leu Asn Ala Met Thr Thr Asn Ser Asn Ile Ser Arg  
 365 370 375  
 Pro Ile Val Ser Ser His Gly  
 380

<210> 36  
 <211> 287  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2676443CD1

<400> 36  
 Met Ala Ala Glu Ala Arg Val Ser Arg Trp Tyr Phe Gly Gly Leu  
 1 5 10 15  
 Ala Ser Cys Gly Ala Ala Cys Cys Thr His Pro Leu Asp Leu Leu  
 20 25 30  
 Lys Val His Leu Gln Thr Gln Gln Glu Val Lys Leu Arg Met Thr  
 35 40 45  
 Gly Met Ala Leu Arg Val Val Arg Thr Asp Gly Ile Leu Ala Leu  
 50 55 60  
 Tyr Ser Gly Leu Ser Ala Ser Leu Cys Arg Gln Met Thr Tyr Ser  
 65 70 75  
 Leu Thr Arg Phe Ala Ile Tyr Glu Thr Val Arg Asp Arg Val Ala  
 80 85 90  
 Lys Gly Ser Gln Gly Pro Leu Pro Phe His Glu Lys Val Leu Leu  
 95 100 105  
 Gly Ser Val Ser Gly Leu Ala Gly Gly Phe Val Gly Thr Pro Ala  
 110 115 120  
 Asp Leu Val Asn Val Arg Met Gln Asn Asp Val Lys Leu Pro Gln  
 125 130 135  
 Gly Gln Arg Arg Asn Tyr Ala His Ala Leu Asp Gly Leu Tyr Arg  
 140 145 150  
 Val Ala Arg Glu Glu Gly Leu Arg Arg Leu Phe Ser Gly Ala Thr  
 155 160 165  
 Met Ala Ser Ser Arg Gly Ala Leu Val Thr Val Gly Gln Leu Ser  
 170 175 180  
 Cys Tyr Asp Gln Ala Lys Gln Leu Val Leu Ser Thr Gly Tyr Leu  
 185 190 195  
 Ser Asp Asn Ile Phe Thr His Phe Val Ala Ser Phe Ile Ala Gly  
 200 205 210  
 Gly Cys Ala Thr Phe Leu Cys Gln Pro Leu Asp Val Leu Lys Thr  
 215 220 225  
 Arg Leu Met Asn Ser Lys Gly Glu Tyr Gln Gly Val Phe His Cys  
 230 235 240  
 Ala Val Glu Thr Ala Lys Leu Gly Pro Leu Ala Phe Tyr Lys Gly  
 245 250 255  
 Leu Val Pro Ala Gly Ile Arg Leu Ile Pro His Thr Val Leu Thr  
 260 265 270  
 Phe Val Phe Leu Glu Gln Leu Arg Lys Asn Phe Gly Ile Lys Val  
 275 280 285  
 Pro Ser

<210> 37  
 <211> 497  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 3295764CD1

<400> 37  
 Met Asp Val Pro Gly Pro Val Ser Arg Arg Ala Ala Ala Ala Ala  
 1 5 10 15  
 Ala Thr Val Leu Leu Arg Thr Ala Arg Val Arg Arg Glu Cys Trp  
 20 25 30

WO 00/78953

PCT/US00/16668

Phe	Leu	Pro	Thr	Ala	Leu	Leu	Cys	Ala	Tyr	Gly	Phe	Phe	Ala	Ser
				35					40					45
Leu	Arg	Pro	Ser	Glu	Pro	Phe	Leu	Thr	Pro	Tyr	Leu	Leu	Gly	Pro
				50					55					60
Asp	Lys	Asn	Leu	Thr	Glu	Arg	Glu	Val	Phe	Asn	Glu	Ile	Tyr	Pro
				65					70					75
Val	Trp	Thr	Tyr	Ser	Tyr	Leu	Val	Leu	Leu	Phe	Pro	Val	Phe	Leu
				80					85					90
Ala	Thr	Asp	Tyr	Leu	Arg	Tyr	Lys	Pro	Val	Val	Leu	Leu	Gln	Gly
				95					100					105
Leu	Ser	Leu	Ile	Val	Thr	Trp	Phe	Met	Leu	Leu	Tyr	Ala	Gln	Gly
				110					115					120
Leu	Leu	Ala	Ile	Gln	Phe	Leu	Glu	Phe	Phe	Tyr	Gly	Ile	Ala	Thr
				125					130					135
Ala	Thr	Glu	Ile	Ala	Tyr	Tyr	Ser	Tyr	Ile	Tyr	Ser	Val	Val	Asp
				140					145					150
Leu	Gly	Met	Tyr	Gln	Lys	Val	Thr	Ser	Tyr	Cys	Arg	Ser	Ala	Thr
				155					160					165
Leu	Val	Gly	Phe	Thr	Val	Gly	Ser	Val	Leu	Gly	Gln	Ile	Leu	Val
				170					175					180
Ser	Val	Ala	Gly	Trp	Ser	Leu	Phe	Ser	Leu	Asn	Val	Ile	Ser	Leu
				185					190					195
Thr	Cys	Val	Ser	Val	Ala	Phe	Ala	Val	Ala	Trp	Phe	Leu	Pro	Met
				200					205					210
Pro	Gln	Lys	Ser	Leu	Phe	Phe	His	His	Ile	Pro	Ser	Thr	Cys	Gln
				215					220					225
Arg	Val	Asn	Gly	Ile	Lys	Val	Gln	Asn	Gly	Gly	Ile	Val	Thr	Asp
				230					235					240
Thr	Pro	Ala	Ser	Asn	His	Leu	Pro	Gly	Trp	Glu	Asp	Ile	Glu	Ser
				245					250					255
Lys	Ile	Pro	Leu	Asn	Met	Glu	Glu	Pro	Pro	Val	Glu	Glu	Pro	Glu
				260					265					270
Pro	Lys	Pro	Asp	Arg	Leu	Leu	Val	Leu	Lys	Val	Leu	Trp	Asn	Asp
				275					280					285
Phe	Leu	Met	Cys	Tyr	Ser	Ser	Arg	Pro	Leu	Leu	Cys	Trp	Ser	Val
				290					295					300
Trp	Trp	Ala	Leu	Ser	Thr	Cys	Gly	Tyr	Phe	Gln	Val	Val	Asn	Tyr
				305					310					315
Thr	Gln	Gly	Leu	Trp	Glu	Lys	Val	Met	Pro	Ser	Arg	Tyr	Ala	Ala
				320					325					330
Ile	Tyr	Asn	Gly	Gly	Val	Glu	Ala	Val	Ser	Thr	Leu	Leu	Gly	Ala
				335					340					345
Val	Ala	Val	Phe	Ala	Val	Gly	Tyr	Ile	Lys	Ile	Ser	Trp	Ser	Thr
				350					355					360
Trp	Gly	Glu	Met	Thr	Leu	Ser	Leu	Phe	Ser	Leu	Leu	Ile	Ala	Ala
				365					370					375
Ala	Val	Tyr	Ile	Met	Asp	Thr	Val	Gly	Asn	Ile	Trp	Val	Cys	Tyr
				380					385					390
Ala	Ser	Tyr	Val	Val	Phe	Arg	Ile	Ile	Tyr	Met	Leu	Leu	Ile	Thr
				395					400					405
Ile	Ala	Thr	Phe	Gln	Ile	Ala	Ala	Asn	Leu	Ser	Met	Glu	Arg	Tyr
				410					415					420
Ala	Leu	Val	Phe	Gly	Val	Asn	Thr	Phe	Ile	Ala	Leu	Ala	Leu	Gln
				425					430					435
Thr	Leu	Leu	Thr	Leu	Ile	Val	Val	Asp	Ala	Ser	Gly	Leu	Gly	Leu
				440					445					450
Glu	Ile	Thr	Thr	Gln	Phe	Leu	Ile	Tyr	Ala	Ser	Tyr	Phe	Ala	Leu
				455					460					465
Ile	Ala	Val	Val	Phe	Leu	Ala	Ser	Gly	Ala	Val	Ser	Val	Met	Lys
				470					475					480
Lys	Cys	Arg	Lys	Leu	Glu	Asp	Pro	Gln	Ser	Ser	Ser	Gln	Val	Thr
				485					490					495
Thr	Ser													

&lt;210&gt; 38

&lt;211&gt; 228

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

WO 00/78953

PCT/US00/16668

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3438320CD1

&lt;400&gt; 38

Met	Pro	Arg	Arg	Gly	Leu	Val	Ala	Gly	Pro	Asp	Leu	Glu	Tyr	Phe
1				5					10					15
Gln	Arg	Arg	Tyr	Phe	Thr	Pro	Ala	Glu	Val	Ala	Gln	His	Asn	Arg
				20					25					30
Pro	Glu	Asp	Leu	Trp	Val	Ser	Tyr	Leu	Gly	Arg	Val	Tyr	Asp	Leu
				35					40					45
Thr	Ser	Leu	Ala	Gln	Glu	Tyr	Lys	Gly	Asn	Leu	Leu	Leu	Lys	Pro
				50					55					60
Ile	Val	Glu	Val	Ala	Gly	Gln	Asp	Ile	Ser	His	Trp	Phe	Asp	Pro
				65					70					75
Lys	Thr	Arg	Asp	Ile	Arg	Lys	His	Ile	Asp	Pro	Leu	Thr	Gly	Cys
				80					85					90
Leu	Arg	Tyr	Cys	Thr	Pro	Arg	Gly	Arg	Phe	Val	His	Val	Pro	Pro
				95					100					105
Gln	Leu	Pro	Cys	Ser	Asp	Trp	Ala	Asn	Asp	Phe	Gly	Lys	Pro	Trp
				110					115					120
Trp	Gln	Gly	Ser	Tyr	Tyr	Glu	Val	Gly	Arg	Leu	Ser	Ala	Lys	Thr
				125					130					135
Arg	Ser	Ile	Arg	Ile	Ile	Asn	Thr	Leu	Thr	Ser	Gln	Glu	His	Thr
				140					145					150
Leu	Glu	Val	Gly	Val	Leu	Glu	Ser	Ile	Trp	Glu	Ile	Leu	His	Arg
				155					160					165
Tyr	Leu	Pro	Tyr	Asn	Ser	His	Ala	Ala	Ser	Tyr	Thr	Trp	Lys	Tyr
				170					175					180
Glu	Gly	Lys	Asn	Leu	Asn	Met	Asp	Phe	Thr	Leu	Glu	Glu	Asn	Gly
				185					190					195
Ile	Arg	Asp	Glu	Glu	Glu	Glu	Phe	Asp	Tyr	Leu	Ser	Met	Asp	Gly
				200					205					210
Thr	Leu	His	Thr	Pro	Ala	Ile	Leu	Leu	Tyr	Phe	Asn	Asp	Asp	Leu
				215					220					225

Thr Glu Leu

&lt;210&gt; 39

&lt;211&gt; 273

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3986488CD1

&lt;400&gt; 39

Met	Ala	Ala	Thr	Ile	Met	Ile	Leu	Tyr	Val	Ser	Lys	Leu	Asn	Lys
1				5					10					15
Ile	Ile	His	Phe	Pro	Asp	Phe	Asp	Lys	Lys	Ile	Pro	Val	Lys	Leu
				20					25					30
Phe	Pro	Leu	Pro	Leu	Leu	Tyr	Val	Gly	Asn	His	Ile	Ser	Gly	Leu
				35					40					45
Ser	Ser	Thr	Ser	Lys	Leu	Ser	Leu	Pro	Met	Phe	Thr	Val	Leu	Arg
				50					55					60
Lys	Phe	Thr	Ile	Pro	Leu	Thr	Leu	Leu	Glu	Thr	Ile	Ile	Leu	
				65					70					75
Gly	Lys	Gln	Tyr	Ser	Leu	Asn	Ile	Ile	Leu	Ser	Val	Phe	Ala	Ile
				80					85					90
Ile	Leu	Gly	Ala	Phe	Ile	Ala	Ala	Gly	Ser	Asp	Leu	Ala	Phe	Asn
				95					100					105
Leu	Glu	Gly	Tyr	Ile	Phe	Val	Phe	Leu	Asn	Asp	Ile	Phe	Thr	Ala
				110					115					120
Ala	Asn	Gly	Val	Tyr	Thr	Lys	Gln	Lys	Met	Asp	Pro	Lys	Glu	Leu
				125					130					135
Gly	Lys	Tyr	Gly	Val	Leu	Phe	Tyr	Asn	Ala	Cys	Phe	Met	Ile	Ile
				140					145					150
Pro	Thr	Leu	Ile	Ile	Ser	Val	Ser	Thr	Gly	Asp	Leu	Gln	Gln	Ala

WO 00/78953

PCT/US00/16668

Thr	Glu	Phe	Asn	155	Trp	Lys	Asn	Val	160	Phe	Ile	Leu	Gln	165
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Leu	Leu	Ser	Cys	185	Leu	Gly	Phe	Leu	190	Met	Tyr	Ser	Thr	195
				200					205					210
Ala	Ile	Lys	Asn	215	Val	Ser	Val	Ala	220	Gly	Ile	Leu	Ile	225
				230					235					240
Gly	Asp	Tyr	Ile	245	Phe	Ser	Leu	Leu	250	Val	Gly	Leu	Asn	255
				260					265					270
Cys	Met	Ala	Gly		Gly	Leu	Arg	Tyr		Phe	Leu	Thr	Leu	
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Leu	Lys	Ser												

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 <213> Homo sapiens

<220>  
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				35					40					45
Arg	Leu	Gly	Arg	50	Gln	Gly	Ala	Ala	55	Arg	Gly	Ala	Leu	60
				65					70					75
Trp	Leu	Cys	Tyr	80	Ala	Leu	Val	His	85	Phe	Ala	Leu	Glu	90
				95					100					105
Phe	Val	Tyr	Leu	110	Ser	Leu	Val	Gly	115	Val	Ala	Asn	Ser	120
				125					130					135
Leu	Ile	Ala	Ser	140	Leu	Trp	Lys	Glu	145	Gly	Lys	Ala	Asp	150
				155					160					165
Trp	Val	Tyr	Phe	170	Pro	Thr	Ile	Val	175	Ser	Val	Glu	Ile	180
				185					190					195
Val	Ala	Leu	Asp	200	Gly	Ser	Leu	Ala	205	Phe	Leu	Ile	Tyr	
Val	Lys	Glu	Lys		Tyr	Arg	His	Phe		Leu	Gln	Ile	Thr	
Val	Cys	Glu	Leu		Tyr	Gly	Cys	Trp		Thr	Phe	Leu	Pro	
Leu	Thr	Arg	Ser		Pro	Asn	Leu	Asn		Ser	Asn	Trp	Leu	
Trp	Leu	Tyr	Leu		Phe	Phe	Phe	Asn		Gly	Val	Trp	Val	
Gly	Leu	Leu	Leu		Trp	Gln	Ser	Trp		Leu	Glu	Leu	Lys	
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WO 00/78953

PCT/US00/16668

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Glu	Lys	Ile	Lys	Leu	Lys	Cys	Thr	Phe	Lys	Ser	Thr	Ser	Asp	Val
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Thr	Asp	Lys	Leu	Thr	Ile	Asp	Trp	Thr	Tyr	Arg	Pro	Pro	Ser	Ser
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Ser	His	Thr	Val	Ser	Ile	Phe	His	Tyr	Gln	Ser	Phe	Gln	Tyr	Pro
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	95		100		105									
Val	Tyr	Lys	Gly	Asp	Ala	Ser	Ile	Ser	Ile	Ser	Asn	Pro	Thr	Ile
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Lys	Asp	Asn	Gly	Thr	Phe	Ser	Cys	Ala	Val	Lys	Asn	Pro	Pro	Asp
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Val	His	His	Asn	Ile	Pro	Met	Thr	Glu	Leu	Thr	Val	Thr	Glu	Arg
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Gly	Phe	Gly	Thr	Met	Leu	Ser	Ser	Val	Ala	Leu	Leu	Ser	Ile	Leu
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Val	Phe	Val	Pro	Ser	Ala	Val	Val	Val	Ala	Leu	Leu	Leu	Val	Arg
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	185		190		195									
Tyr	Lys	Lys	Ser	Ser	Ile	Glu	Val	Ser	Asp	Asp	Thr	Asp	Gln	Glu
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&lt;211&gt; 147

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5470806CD1

&lt;400&gt; 42

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Pro	Leu	Met	Val	Lys	Val	Leu	Asp	Ala	Val	Arg	Gly	Ser	Pro	Ala
	35		40		45									
Val	Asp	Val	Ala	Val	Lys	Val	Phe	Lys	Lys	Thr	Ala	Asp	Gly	Ser
	50		55		60									
Trp	Glu	Pro	Phe	Ala	Ser	Gly	Lys	Thr	Ala	Glu	Ser	Gly	Glu	Leu
	65		70		75									
His	Gly	Leu	Thr	Thr	Asp	Glu	Lys	Phe	Thr	Glu	Gly	Val	Tyr	Arg
	80		85		90									
Val	Glu	Leu	Asp	Thr	Lys	Ser	Tyr	Trp	Lys	Ala	Leu	Gly	Ile	Ser
	95		100		105									
Pro	Phe	His	Glu	Tyr	Ala	Glu	Val	Val	Phe	Thr	Ala	Asn	Asp	Ser
	110		115		120									
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	125		130		135									
Tyr	Ser	Thr	Thr	Ala	Val	Val	Ser	Asn	Pro	Gln	Asn			
	140		145											

&lt;210&gt; 43

&lt;211&gt; 147

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5473242CD1

WO 00/78953

PCT/US00/16668

&lt;400&gt; 43

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Phe Gly Asp Leu Ser Ser Val Ser Ala Ile Met Gly Asn Pro Gln
          50          55          60
Val Lys Ala His Gly Glu Lys Val Ile Asn Ala Phe Asp Asp Gly
          65          70          75
Leu Lys His Leu Asp Asn Leu Lys Gly Thr Phe Ala Ser Leu Ser
          80          85          90
Glu Leu His Cys Asp Lys Leu His Val Asp Pro Glu Asn Phe Arg
          95          100          105
Leu Leu Gly Asn Met Ile Val Ile Met Met Gly His His Leu Gly
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Lys Glu Phe Thr Pro Ser Ala Gln Ala Ala Phe Gln Lys Val Val
          125          130          135
Ala Gly Val Ala Ser Ala Leu Ala His Lys Tyr His
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&lt;210&gt; 44

&lt;211&gt; 2701

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 264114CB1

&lt;400&gt; 44

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WO 00/78953

PCT/US00/16668

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&lt;211&gt; 736

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1455669CB1

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&lt;211&gt; 1826

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 2084989CB1

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WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;211&gt; 2336

WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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&lt;223&gt; Incyte ID No: 2069971CB1

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WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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<220>  
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WO 00/78953

PCT/US00/16668

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<220>  
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WO 00/78953

PCT/US00/16668

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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
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WO 00/78953

PCT/US00/16668

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<220>  
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<210> 70  
 <211> 2237  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature



WO 00/78953

PCT/US00/16668

&lt;223&gt; Incyte ID No: 116588CB1

&lt;400&gt; 70

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&lt;210&gt; 71

&lt;211&gt; 1114

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 875369CB1

&lt;400&gt; 71

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WO 00/78953

PCT/US00/16668

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<210> 72
<211> 998
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1325518CB1

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tccccttcat tggtaggat gacaatgacg atggtcaccc acttcatcca tctctgaata 240
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<212> DNA
<213> Homo sapiens

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<220>
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<223> Incyte ID No: 2060987CB1

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WO 00/78953

PCT/US00/16668

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<210> 74  
 <211> 1139  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2172064CB1

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<210> 75  
 <211> 863  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2219267CB1

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WO 00/78953

PCT/US00/16668

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<210> 76
<211> 1322
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 2308629CB1

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<400> 76
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<210> 77
<211> 1869
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 2660038CB1

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<400> 77
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WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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WO 00/78953

PCT/US00/16668

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WO 00/78953

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